

Street Atlas USA 2005 User Guide

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Getting Started with Street Atlas USA 2005

Welcome to Street Atlas USA 2005

With Street Atlas USA 2005, you can perform the following functions and more:

- Use the POI feature in the Find tab to quickly search for a specific points of interest within a specified distance from the current map center or along the active route
- Use the QuickSearch Find feature to locate a city or town, a major point of interest, street address, ZIP Code, or coordinate point.
- Use the Advanced Find feature to additionally locate the intersection of two streets, a specific category of map items (such as landmarks along the current route), or an area code and exchange within a specified area or along your current route.
- Create a route by adding start and finish points on your map. Customize your route by adding stops and vias.
- Customize your map by adding new routable roads, text, and MapNotes.
- Connect your GPS device to the program and track your progress on a laptop as you travel. View your next turn as well as the turn after that—very helpful when you need to make a turn directly after another turn.
- Print high-quality, detailed, single-page maps or mural maps as large as 3 x 3 pages.
- Print your route and/or route directions for a route.

What's New in Street Atlas USA 2005

- New Auto Back on Track for GPS with distance off-route settings you control, plus improved routing decision-making for getting you back on track. If you miss your exit, the software automatically calculates new directions
- GPS voice now gives heads-up alerts for rapid-sequence turns, especially important for complex interchanges where several turns are clustered together
- GPS Radar searches now include voice prompts for the nearest place to your current GPS position
- New GPS Next Turn and Turn After That text box with large visible route tracking arrow with improved visibility and information on the Show Turns GPS navigation screen
- More accurate turn directions with distinctions between “turn left,” “bear left,” and “keep left” among others
- New easier-to-use POI Name and Category Search subtab for finding Wal-Marts, restaurants, lodgings, post offices – more than 4 million places in total
- New GPS Radar POI search categories include emergency services, major shopping locales, and camping/RV parks
- Multiple user profiles in the Voice tab with custom microphone, speaker, volume, voice speed, and voice recognition settings
- Large fonts that expand in certain tabs -- plus more visible exit symbols
- QuickSearch subtab expands to large font size for easier typing on a laptop
- Better display of multiple route names and shields for dual-named roads (e.g., Route One and Main Street)
- Simplified file management for easier map saving
- New ability to determine at which magnification levels the large POI icons display
- Support for USB and Bluetooth microphones for GPS Voice Navigation
- New pop-up tutorials
- Updated map and POI data for the U.S.
- Software has a faster start-up time


Learning the Basics

Below is a list of some of the basic functionality in the tabs in Street Atlas USA 2005.

Controlling the Map

How do I pan the map?

You can use any of the following methods in Street Atlas USA 2005 to pan (move) or center the map.

- Click anywhere on the current map view. The point at which you click becomes the new map center.
- When you point near the map edge, a white hand displays. Drag the hand to move the map in that direction.
- Click anywhere on the Overview Map. The point where you click becomes the new map center. This technique allows you to traverse greater distances with each mouse click than you can within the main map.
Note: If the Overview Map, the small map in the lower-right corner of the screen, is not displaying, pan or zoom the map.
- Point anywhere on the black view box in the Overview Map window. When the pointer becomes a , drag the view box to the desired location.
- Use the search feature in the Find tab to center the map on a particular location.
- Press ALT+ an arrow key (up, down, left, or right) to pan the map view in small increments in the desired direction.
- While the **Num Lock** key is off, you can use the direction keys on your numeric keypad to move the map.
Press:
 - ALT+UP ARROW to pan the map up.
 - ALT+RIGHT ARROW to pan the map right.
 - ALT+DOWN ARROW to pan the map down.
 - ALT+LEFT ARROW to pan the map left.

Note: Verify the Num Lock key is off by checking that the Num Lock indicator light is turned off.

How do I zoom the map in and out?

You can zoom the map in several different ways:

- Use the up and down arrows on the Data Zoom Level tool in the Control Panel.
- Use drag and zoom functionality. Drag down-right on the map to zoom in or up-left to zoom out.
- Press ALT+PAGE UP on your keyboard to zoom out to the next full data zoom level. Press ALT+PAGE DOWN on your keyboard to zoom in to the next full data zoom level.
- Use the mouse wheel (if available) to zoom the map(s) in and out. Rotate the mouse wheel to zoom in by individual data zoom level steps or hold the SHIFT key while rotating the mouse wheel to zoom to the next full data zoom level. Make sure that the main map is focused either by clicking on it or by pressing the F12 key on the keyboard.

Map Files Tab

What is a map file?

A Map File consists of the map center coordinates, the current zoom level, the current magnification, preferences, and route or draw layer information you have added to it. Map Files are saved by default in *C:\DeLorme Docs\Map Files*.

How can I work without the data disc?

Your Street Atlas USA data can be saved to your hard disk drive so that it is readily available without inserting it into your CD/DVD-ROM drive when you need it.



1. Insert the Street Atlas USA 2005 data disc into your CD/DVD-ROM drive. Setup begins automatically.
Note: If setup does not begin automatically, from the Start menu, click **Run**. Type **D:\Setup** (where D: is the letter of the drive containing the data disc) in the command line text box and then click **OK**. The Street Atlas USA 2005 data setup screen displays.
2. Click **Yes**.
3. Follow the screen directions to complete the data installation.

- Click **Finish** when prompted. It is not necessary to restart your computer.

Route Tab

How do I create a road route?

Use the following steps to create a route.

- Click the **Route** tab and then click **New/Edit**. The New/Edit Route dialog area displays.
- Click **File**, click **New**, and then type the name for your route in the Name text box.
- Click the Start tool  and then click the point on the map where you want to begin your route.
OR
Type your start location in the Start drop-down text box. If you type an address, it must be in one of the following formats: street address, city, state OR street address, ZIP Code.
- Click the Finish tool  and then click the spot on the map where you want to end your route.
OR
Type your finish location in the Finish drop-down text box. If you type an address, it must be in one of the following formats: street address, city, state OR street address, ZIP Code.
- Select a route type (**road-shortest** or **road-quickest**) from the available drop-down list.
Note: Your route will fail to calculate if you select a route type that your dataset does not support.
- If you do not have the Auto Calc check box selected, click **Calculate**.
OR
If you do not have the Auto Calc check box selected, right-click the route, select **Manage Route**, and then select **Calculate Road Quickest** or **Calculate Road Shortest** from the shortcut menu.
Note: If Street Atlas USA is unable to find an exact match for the item that you typed, a dialog box displays with a list of the closest matches. Scroll through the list of search results until you find the one you want to locate, click the item to select it, and then click **OK**.
- Click **Directions** to view the route directions.
AND/OR
Click **Advanced** to display the advanced routing options.
AND/OR
Click **Back on Track** to add your current GPS position as a stop to the current route.

Print Tab

How can I print my route?



Use the following steps to print an existing route.

- Click the **Print** tab and then click the **Route** subtab.
Note: If you do not have a route in this Map File, the print route options are unavailable.
- Under Options, select from one of the following choices:
 - Overview**—Provides an optimized map of your route and the route summary (trip distance, trip time, start, total stops, and finish).
 - Travel Package**—Provides maps of the route with corresponding directions.
 - Directions**—Provides action-based directions (turn, merge, bear, depart, arrive, and continue) including the time frame for each action.
Note: Route directions can be saved as a text file.
 - Route Maps**—Provides detailed maps in the direction of travel of the route along with directions which appear in the map margin. Route maps are not printed North Up like other printed maps. They are printed so that the direction of travel is always at the top of the printed map.
- Select the miles per page that you want your route to cover from the Miles Per Page drop-down list.
- Click **Print**.

Draw Tab

How do I add a road to my map?

Use the following steps to add routable roads to the map.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Routable Roads/Waypoints/Tracks tool to view its hidden options. Select the Routable Roads tool  to create a routable road.
3. Type the name of the road you want to add in the Road Name text box.
4. Hover the mouse pointer over existing roads to display the yellow diamond symbol . The yellow diamond symbol indicates where on an existing road the point for your new road will connect (connection point).
Note: It is necessary for the new road to be connected to an existing non-limited access road for routing on the new road to occur.
5. Once you have located the connection point for your new road, click the map to place the first point. Click point-to-point or drag to add the new road to the road layer.
6. To finish the line draw for the new road, enter the last point on the map screen and click **Done**.

GPS Tab

How do I start tracking with my GPS device?

In order to begin properly tracking with your GPS device, you must first configure the GPS tab with your appropriate device settings. For more information, see *Initializing GPS* on page 90.

How do I import waypoints from my GPS device?

Use the following steps to receive waypoints from your GPS device.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.
3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Receive from Device**.
6. Select **Waypoints** from the Object drop-down list.
7. Select **Draw File** if you want to save the waypoints as a draw file (or **User Map Data - Waypoints** if you want to save the waypoints as a waypoint file) from the Save As drop-down list.
8. Click **Next**.
9. If you selected Draw File in step 7, select the draw file you want to add the waypoint information to from the Draw File drop-down list. If you want to create a new draw file, select **New** from the Draw File drop-down list and type the new draw file name in the available text box.
OR
If you selected User Map Data - Waypoints in step 7, select the waypoint file you want to add the waypoint information to from the Waypoint File drop-down list. If you want to create a new Waypoint file, select **New** from the Waypoint File drop-down list and type the new waypoint file name in the New Waypoint File text box.
10. Click **Receive From Device**.
11. Repeats steps 9–10 for each waypoint file you want to receive.
12. Click **Finish**.

Map Display Tab

How can I change the coordinate system of the map?

Use the following steps to change how coordinate measurement units display.

1. Click the **Map Display** tab and then click **Units** to display the Units options.
2. Select the desired coordinate display format from the **Coords** drop-down list.
 - Degrees
 - Degrees, Minutes
 - Deg, Min, Sec

Handheld Export Tab

How do I export a map in Street Atlas USA for use on my handheld device?

Important: You must have Street Atlas USA 2005 Handheld or XMap® Handheld Pro (available separately from DeLorme) to view raster and vector maps on your handheld device.

Use the following steps to export a map to a Palm OS or Pocket PC device.

1. In Street Atlas USA, click the **Handheld Export** tab. The Handheld Export dialog area displays.
2. Use the Search text box to find the desired export area or select a pre-determined area from the available list.
3. Click **Go To**. The map centers on the area you selected. The default export area displays as shaded rectangles.
4. If you want to accept the shaded rectangles as the export area, click **Select**.
OR
If you want to modify the default export area, click **Edit** and select or clear the rectangles you want to include/exclude. Then, click **Select**.
5. Select if you want to export the map with regional or street detail (street detail is routable).
6. Click **Save**. The exported map is then listed in the saved map list on the right side of the tab area.
7. Select the map from the saved map list and then click **Sync** to export the map to your handheld device.

Helpful Tips

The following are helpful hints for using various functions of Street Atlas USA. Some of the hints are available as a pop-up tutorial when you click on a related function within the program.



Selecting the "don't show again" check box in a pop-up tutorial ensures that pop-up will not display whenever you click on its related function. If you change your mind and want to view the pop-up tutorials later, click the **Reset All Pop-up Tutorials** option in the Street Atlas USA Help menu. If you want to disable all of the pop-up tutorials so they do not display, click the **Shut Off All Pop-up Tutorials** option in the Help menu.

If you want to...	Use this tip...
Zoom the map out/in quickly	You can drag the map cursor in an up-left direction to zoom the map out or drag it in a down-right direction to zoom the map in.
Pan the map quickly	If you position your cursor on the edge of the map, it becomes a white hand that you can use to drag the map to the desired location.
Update the coordinate format that displays in the Control Panel	You can update your measurement preferences at any time using the Units subtab in the Map Display tab.
Adjust the size of the tab area	You can adjust the size of the tab area by dragging the top or right side of the tab area.
Show, hide, or reorder tabs	You can use the Tab Manager option in the Help menu to show, hide, or reorder tabs.
Stop a page in a multi-page map from printing	If you do not want to print all the pages in a multi-page map, you can click the page(s) you do not want to print on the Layout graphic.
Create a route using a road you have added to the map with the Draw tab	When drawing a routable road, be sure to click each existing road it crosses to ensure that routing can be done on the new road. When you open a track you've imported from your GPS device, be sure to join the imported line with existing lines by right-clicking the intersection(s) and selecting Manage Draw/Join.
Join/break linear objects on the map	You can join and break linear objects using keys on your keyboard. Select the item(s) you want to join/break (press the SHIFT key to select multiple items) and then press CTRL+N to join or CTRL+B to break.
View a GPS log on the map	You can use the Draw tab to import a GPS log file and view it as a line object on the map.
Determine the difference between adding and inserting Stops/Vias	When Stops/Vias are added to a route, they are placed in the order they were added to the route. When Stops/Vias are inserted in a route, Street Atlas USA places them in the order they would be approached between

If you want to...	Use this tip...
	the Start and Finish points of the route.
Create a route quickly	For quick route creation, right-click the map and select one of the Create Route options or click the Start (green), Stop (yellow), Via (white), or Finish (red) buttons in the Route tab.
View the last map center	Press the middle button in the Compass Rose (in the Control Panel) to center the map on the previous map view. This button performs an undo function for the last pan or zoom (up to 256 times).
Quickly view information for a location on the map.	Hover your cursor over objects on the map to see information (such as road names, city/town, details about draw objects, etc.) in the status line that appears at the bottom of the map, just above the tab area.
Know if there are NetLink updates available	Check to see if "NetLink" is displayed as red on the NetLink tab. If it is, updates/offers are available.

Running Street Atlas USA 2005

After you have installed Street Atlas USA 2005, you can run the program with the data CD, or without it by installing the data to your hard drive. For more information on installing data to your hard drive, see *Saving Street Atlas USA 2005 Data to Your Hard Disk Drive* on page 13.

To Run Street Atlas USA 2005 with the Data CD

Choose one of the following ways to access the program using the program data disc.

- If you installed a desktop shortcut, insert the Street Atlas USA 2005 data disc into your CD/DVD-ROM drive, and then double-click the Street Atlas USA 2005 icon.
- OR
- Insert the Street Atlas USA 2005 data disc into your CD/DVD-ROM drive. From the Start menu, point to **Programs**, point to **DeLorme**, point to **Street Atlas USA 2005**, and then click **Street Atlas USA 2005**.

Exiting Street Atlas USA 2005

To exit the program, click the close button  in the upper-right corner of the screen.

A **Save Changes** dialog box displays if only one item was changed, such as the data zoom level, resulting in a change to the Map File.

- Click **Yes** to save any changes to the item.
- Click **No** to discard changes to the item.
- Click **Cancel** to return to Street Atlas USA 2005. Changes are not saved.

An **Exit** dialog box displays if more than one item has been updated. All updated files are listed and are selected by default.

- Click **Save and Exit** to save any changes for the selected files and close the program.
Note: Clear the check box of any item you do not want saved prior to using this option.
- Click **Exit without Saving** to close the program without saving any file changes.
- Click **Cancel** to return to Street Atlas USA 2005. No files are saved.

Frequently Asked Questions

Below is a list of the questions which are asked most frequently by our customers about the Street Atlas USA® family of products.

- **How do I create a route on the map?**

Street Atlas USA 2005 allows you to create a route by simply adding Start and Finish points. If you find the route does not take your favorite streets or you need to make a stop along the way, add/insert Vias or Stops.

You can also create a route using right-click functionality while in any tab. Your route receives a default name when creating it using right-click options. However, you can rename your route any time in the Route tab to make it easier to retrieve.

For more information on adding a route to your map, see *Creating a Route* on page 105.

- **How do I save a route?**

Street Atlas USA 2005 retains the route as it is added. Routes have .anr extensions and are saved in the *C:\DeLorme Docs\Navigation* directory by default.

- **How do I find a specific location?**

Street Atlas USA 2005 offers powerful search tools that enable you to locate any place in the United States or Canada.

In addition, Street Atlas USA 2005 lets you search for places along your route, within a certain radius of the current map center, or within a particular region.

To access the search feature in Street Atlas USA 2005, click the **Find** tab. For more information on searching for specific locations, see *Using QuickSearch* on page 39 and *Using Advanced Search* on page 41.

- **How do I turn on voice navigation?**

There are two ways voice is used in Street Atlas USA 2005. Click a link below to view a topic with more information.

- Listen to your route directions while tracking along a route using GPS.
- Use the voice recognition feature to issue commands or ask questions about map panning and zooming, navigation, or GPS functions.

- **Why can't I hear the voice during voice navigation?**

The Voice Navigation systems in DeLorme products are directly dependent on your computer's sound system for its volume levels.

To Set the Volume Level

If your system is not playing the sound loud enough, use the following steps to verify the Wave volume control is set to its highest levels.

1. From the Start menu, point to **Programs**, point to **Accessories**, point to **Multimedia** (or **Entertainment** depending on your operating system) and then click **Volume Control**.
OR
If available, click the audio control shortcut on your taskbar.
2. In the Wave column, move the Volume slider to the top.
3. Close the Volume Control dialog box.

If the voice commands are still not loud enough to hear, contact your sound card manufacturer to download and install the latest driver for your specific model sound card. The new driver may be able to provide louder output.

There are a variety of external speaker output options for your laptop. Some of them are simply larger external speakers; others allow you to send the voice to your car stereo cassette deck, if you have one. Local computer superstores, such as CompUSA, Computer City, Best Buy, etc., have a wide variety of external sound options that you can consider for your laptop.

- **How can I run Street Atlas USA 2005 without having to use the data disc?**

The Street Atlas USA 2005 data disc comes with an installation utility on the disc so that you can save the data to your hard drive. For more information, see *Saving Street Atlas USA 2005 Data to Your Hard Disk Drive* on page 13.

- **How do I get data updates or fix the roads on my map?**

The data in Street Atlas USA 2005 can only be updated by buying a more recent version of the product when it is available.

However, if you find there is a local road that is missing, you can add it using the Ratable Roads Draw tool. For more information, see the topic *Ratable Roads: Drawing Editing, and Placing* on page 72.

- **How do I initialize my GPS receiver?**

Each time you use your GPS receiver, you initialize it, which means you set your starting position on the map by obtaining the initial coordinates of your location. This can be done automatically or manually. The two Help topics with initialization information are *Getting Started with your GPS Connection* on page 90 and *Initializing GPS* on page 90.

- **How can I get information about an item on the map?**

Street Atlas USA 2005 offers a status bar above the tab area which displays information relative to the point the cursor is positioned on.

You can also right-click virtually any point, symbol, feature, or area on the map and then click **Info** to identify it and view detailed information about it. The type of descriptive information varies, depending on the item you have right-clicked. You can also copy this information and paste it into another program, such as a word processor. For more information, see *Getting Information About Map Features* on page 113.


- **What is a Map File?**

Street Atlas USA 2005 lets you save all of the work you have done in the mapping application as a single workspace so you can open it again later. These saved workspaces are called Map Files.

To learn how to create a Map File in Street Atlas USA 2005, see *Creating and Deleting Map Files* on page 57.

- **What do the different colors and symbols on the map mean?**

The different colors on the map represent different areas of land use and land cover (for example: parks, population centers, water, forests, and so forth). The Map Legend provides examples and descriptions of the map features.

Click the Help button  **HELP** in Street Atlas USA 2005 and click **Map Legend** to display the Map Legend Help topic. You can view the Map Legend for all map features on the map or view the legends for individual feature categories.

- **How do I zoom in for a closer view of the map?**

You can use the Zoom tools to quickly change the data zoom level (2-0 to 16-0) of the map view.

Increasing the data zoom level number shows a smaller area at greater detail. Decreasing the data zoom level number shows a larger area at lesser detail.

For more information, see *Data Zoom Level* on page 37 and *Zooming In and Out* on page 38.

- **How do I find radio stations?**

- If you want to find a radio station for a given location, right-click the location and then click **Info**. Information (including radio station information) for that location displays in lower-right corner of the screen.
- You can also use the Advanced Search feature in the Find tab to search for all of the radio stations in a certain area. After you click the Advanced subtab, select Category from the Find drop-down list, select the appropriate Within option from the Within drop-down list, type **Radio Coverage** in Keywords text box, and then click **Search**.

- **What can I do with my Find search results?**

Once you complete a search using the Find tab, you can view that results information and then cut and paste your Find results into any text editor.

Use the following steps to get information about a map feature and then cut and paste the results into a text editor:

1. Right-click the desired map feature, such as a road or town. The right-click options available for that type of feature display.
2. Click **Info**. A description displays in the Overview Map display area (lower-right corner of your screen).

Note: Descriptive information may include a name or feature type, distance, ZIP Code, town name, county name, state, coordinates, available radio stations, and so forth.

3. Select the desired text by dragging across it.

OR

If you want all the information in the box, right-click the information box and then click **Select All**.

4. Copy the data by pressing CTRL+C on your keyboard.

OR

Right-click the information box with the selected text and then click **Copy**.

5. Open or switch to the program where you want to paste the text.

6. Click to select the location where you want to paste the text and then press CTRL+V on your keyboard.

OR

Right-click the selected location and then click **Paste**.

OR

If the program you are pasting information into has a menu bar, under the Edit menu, click **Paste**.

- **Why can't I turn off/on my microphone?**

If you experience difficulty turning off/on your microphone, press F4 on the keyboard. Pressing F4 is a shortcut for clearing/selecting the Microphone check box in the Voice tab.

- **Why doesn't Street Atlas USA 2005 recognize my voice?**

To troubleshoot why Street Atlas USA 2005 may not recognize your voice, verify the following:

- Ensure Street Atlas USA 2005 is the active application. "Street Atlas USA 2005" should display in the title bar of the active application.
- Ensure you are wearing your microphone correctly (see your microphone's user guide for more information).
- Train your speech engine in the environment in which you are using the Voice tab of Street Atlas USA 2005. It is important to speak as naturally as you did during the training.

Note: You can also use the Simon Says feature within the program or the Speech settings in your Windows Control Panel to change your voice settings.

- **How do I interrupt the map when it is redrawing?**

Press the spacebar on your keyboard to interrupt a map redraw.

- **What's the difference between a stop and a via?**

When routing in Street Atlas USA, you have the option of adding/inserting stops or vias in the route. A stop is a location in the middle of a route where you want to stop and then proceed from. A via is a road on the map that you want to specifically use when routing.

For example, if you create a route between Portland, Maine and Yarmouth, Maine without any stops or vias, the route directions will tell you to take I-295. However, if you want to take US Route 1 instead, you can place vias in the route on US Route 1 to force the route to go by way of US Route 1. If you plan on

stopping in Falmouth Foreside for lunch, you will want your route directions to reflect that stop. When you add a stop, the route can be recalculated to include the stop in the middle of your route.

The map below shows the area between Portland, Maine and Yarmouth, Maine with two vias and 1 stop.



- **What's the difference between adding and inserting a stop or via?**

The Insert Stop/Via function arranges stops/vias geographically in the route. The Add Stop/Via function adds stops/vias in the order they are added to the route.


- **Why don't the town lines display on the map?**

Town lines are only available for the following states:

- AR
- CT
- DC
- IA
- IL
- IN
- KS
- LA
- MA
- MD
- ME

- MI
- MN
- MO
- MS
- NC
- ND
- NE
- NH
- NJ
- NY
- OH
- PA
- RI
- SD
- VA
- VT
- WI
- WV

- **How can I move a start, finish, stop, or via in a route?**

Click the **Route** tab and click the button for the type of point you want to move (for example, to move your start, click ). Then, drag the point to the desired location.

- **How can I find all of the nearby points of interest?**

Right-click your location on the map, click **Find Travel POIs**, and then click the distance you want to search within (1 mile, 5 miles, or 10 miles). The gas stations (and other points of interest) display in results area in the Find tab.

OR

If you are tracking with a GPS device, perform a radar search to locate points of interest within a designated distance of your current GPS position.

- **How do I import an address book file into Street Atlas USA 2005?**

You can use the Draw tab to import address book files into Street Atlas USA 2005. Once you have imported an address book file, you can search for the contents of that file within the program.

***Note:** Address book text files must be:

- Comma or tab delimited.
- In the format: name, address, city, state, ZIP, phone.
- Less than 50 records long.

For more information, see *Importing Files as Draw Objects* on page 66.

- **How do I join routable roads so that I can route on them?**

If you want to be able to route on a routable road you have added to your map, you need to use the Join Roads option to join the new road to an existing road.

To join a routable road to an existing road, use the Routable Roads feature to add the road to the map. Then, right-click the existing road that the new routable road intersects and select **Join Roads**. You are now able to route on the new routable road.

- **How can I center the map on the previous map center?**

Click the center button in the compass rose to center the map on the previous map view. This button performs an undo function for the last pan or zoom (up to 256 times).

- **How do I perform an Along the Way search in the Find tab and print my results?**

You can search for names or categories along your current route by performing an advanced search in the Find tab. You can then print your search results using the Along the Way print option. Use the following steps to search for a name/category along your current route and print the results:

1. Click the **Find** tab and then click **Advanced**. The Advanced dialog area displays.
 2. Select **Name** or **Category** from the From drop-down list.
 3. Select **Current Route** from the Within drop-down list.
 4. Type the appropriate keyword in the Keyword text box.
 5. Type the desired distance in the Distance text box.
 6. Click **Search**. The search results display in the dialog area.
 7. Click the **Print** tab and then click **Route**. The Route dialog area displays.
 8. Select the **Along the Way** check box.
 9. Click **Print Now**. The search results are printed.
- **My computer recognizes too many voice commands. Also, when it is speaking and the microphone is on, sometimes it listens to itself even though I don't give it a command. How can I stop this?**

If your microphone is near your speakers, and you are using the microphone together with voice reminders (GPS VoiceNav), the program may recognize some of the words that it is speaking and react to them. Here are ways to eliminate this problem:

- Make sure that you have chosen the Voice Output device (speakers, headset) and the Input device (on-board microphone, headset microphone) that you intend to use with DeLorme GPS voice navigation. Use the selections that are available in the Input Prefs and Output Prefs subtabs.
 - If more than one speech recognizer is available in the drop-down list, choose the most recent (highest version number).
 - Your best voice recognition responses will always be to use a close-talk microphone with voice output using the laptop speakers rather than a headphone speaker so that the computer will not "hear itself."
 - If you are speaking with someone else in the room, have a radio or television on, and so on, the computer may think those sounds are commands to follow. Only select the Microphone check box on the Voice tab when you intend to use it (press the F4 key on your keyboard to toggle the microphone on/off at any time). If you exit the program with the Microphone check box selected, the program will start voice recognition again when you restart the program. Voice recognition requires a lot of disk space and slows down the system if you are not using it.
 - Use the "Simon Says" feature to clearly distinguish commands from other noise and speech. In the Input Prefs subtab (of the Voice tab), set the "Commands start with" phrase to something like "computer" or "Simon Says" to reduce the chances of an unexpected command recognition. When choosing a phrase, make sure that it is more than one syllable. The phrases "Computer" or "Simon Says" work well. But the simple word "Map" probably will not.
 - The sensitivity of some voice engines can be tuned using the Engine Properties button in the Input Prefs subtab.
 - Train the voice recognition system in the environment in which you will use it (for example, in a noisy car).
- **Why do I have 2 speech icons in my Windows Control Panel?**

This problem can occur on a Windows 98 system.

If you use the Speech icon in the Windows Control Panel to modify speech engine properties for your computer, there may be two "Speech" icons in your Windows Control Panel. Please ensure that you choose the newer speech engine properties dialog. The dialog contains separate tabs labeled "Speech Recognition" and "Text to Speech". The older dialog contains only a "Speech" tab.

- **Why does my route fail to calculate?**

Your route will fail to calculate if you create a route:

- That includes route points in Mexico.
- On an island without roads. In this case, Street Atlas USA will look for the nearest road to that island to place the route point. If the nearest road is not routable (for example, it is the only road on the island and/or the island does not have ferry access), you will get an error message saying "Route failed to calculate."

- **What happens when I place a route point on a location that isn't on a street (such as in a field)?**

When you place a route point in a location that isn't on a street, Street Atlas USA finds the closest street to that location, marks the space between the point you clicked and the street with X marks, and starts the route at the street.

- **Why is the tab area and control panel so narrow?**

Street Atlas USA was designed to accommodate resolutions of 800 x 600 or higher. If you are using a very high resolution (such as 1920x 1200), the tab area and control panel in Street Atlas USA may appear to be very narrow.

Note: Use the Windows Control Panel to adjust your display settings.

Saving Street Atlas USA 2005 Data to Your Hard Disk Drive

Your Street Atlas USA 2005 data can be saved to your hard disk drive so that it is readily available without inserting it into your CD/DVD-ROM drive when you need it.

To Save Street Atlas USA 2005 Data

Use the following steps to save Street Atlas USA 2005 data to your hard disk drive.

5. Insert the Street Atlas USA 2005 data disc into your CD/DVD-ROM drive. Setup begins automatically.
Note: If setup does not begin automatically, from the Start menu, click **Run**. Type **D:\Setup** (where D: is the letter of the drive containing the data disc) in the command line text box and then click **OK**. The Street Atlas USA 2005 data setup screen displays.
6. Click **Yes**.
7. Follow the screen directions to complete the data installation.
8. Click **Finish** when prompted. It is not necessary to restart your computer.

Keyboard Shortcuts

The following are shortcut keys you can use on your keyboard to perform a variety of actions in Street Atlas USA 2005.

Shortcut key(s)	Action
F1	View the online Help topics
F4	Select/clear the Microphone check box on the Voice tab
F5	Next turn? (voice navigation)
F7	Are we there yet? (voice navigation)
F8	Where am I? (voice navigation)
F9	Next stop (voice navigation)
F10	Resize the tab area to its default

Shortcut key(s)	Action
F11	Pick up the top corner between overview map and the tab for resizing
F12	Get focus to map
CTRL+TAB	Tab forward through the tabs
CTRL+SHIFT+TAB	Tab backward through the tabs
CTRL + F5	Show next turn (voice navigation)
CTRL+ F9	Show next (voice navigation)
CTRL + F7	Show finish (voice navigation)
CTRL + F8	Directions (voice navigation)
CTRL + B	Break line object
CTRL + C	Copy selected text in text field or query results list; copy selected draw object
CTRL + D	Voice navigation on/off (voice navigation)
CTRL + E	Be quiet (voice navigation)
CTRL + G	Start/stop GPS (GPS command)
CTRL + P	Print map at current layout
CTRL + S	Save current Map File
CTRL + V	Paste copied text into selected text field in the tab area or MapNote on the map; paste copied draw object over the original one
CTRL + W	Toggle auto pan on/off (GPS command)
CTRL + X	Cut selected text; cut selected draw object
CTRL + Z	Undo/redo text edit; undo/redo drawing line or polygon object
ALT + F1	Opens the Help menu
ALT + F4	Closes the application
ALT + F5	Show next turn (voice navigation)
ALT + F7	Show finish (voice navigation)
ALT + F9	Center on next stop (voice navigation)
ALT + LEFT ARROW	Pan the map left
ALT + RIGHT ARROW	Pan the map right
ALT + UP ARROW	Pan the map up
ALT + DOWN ARROW	Pan the map down
ALT + PAGE DOWN	Zoom the map in
ALT + PAGE UP	Zoom the map out
SHIFT+TAB	Go back through the controls on the tab

Glossary

ADT

Alaska daylight time

Almanac

Data downloaded from the satellites that contains the identity codes, location, and time information for each satellite.

Arctic Circle

Parallel, or line of latitude around the Earth, at approximately 66°30' N. Because of the Earth's inclination of about 23 1/2° to the vertical, it marks the southern limit of the area within which, for one day or more each year, the Sun does not set (about June 21) or rise (about December 21).

AST

Alaska standard time

Attach

As in attaching a draw road to existing roads. See *Snapping Draw Objects* on page 70.

Average Speed field

When tracking with GPS, displays your average speed.

Azimuth

The direction of travel or the direction between two points in reference to true or magnetic north. When expressed in degrees, its value ranges from 0 to 360 . A compass heading is an azimuth. In most places the word bearing has grown to mean the same thing as azimuth. However, azimuth is always measured from true or magnetic north in a clockwise direction. For example; due east is 90 and due west is 270 . See also, Bearing.

Battery Voltage field

Displays the current voltage of your 3Com Palm Computing Organizer's batteries.

Bearing

Like an azimuth, a bearing is measured in reference to true or magnetic north, but its value never goes over 90 . A bearing is always measured from the cardinal directions of north or south. A typical bearing would be N45 E, which is the same as an azimuth of 45 . The bearing S45 W is an azimuth of 225 . The use of the word bearing has changed over the years and now means the same as azimuth. When tracking, bearing displays the direction of travel between your current position and your next waypoint, relative to true or magnetic North.

Bread crumb trail

A set of dots that display on your computer screen to record your progress as you travel.

CDT

Central daylight time

Coordinates

A set of numbers (e.g., latitude and longitude) used to identify the specific location of a point.

Course

The azimuth and length of a line, considered together.

CST

Central standard time

Date field

When connected to a DeLorme GPS receiver, displays the current date.

Differential GPS (DGPS)

A technique to improve GPS accuracy that uses pseudo-range errors recorded at a known location to improve the measurements made by other GPS receivers within the same general geographic area.

Dilution of Precision (DOP)

The total effect of all error sources in locating a position.

DOP

Dilution Of Precision

Download

To transfer information from a remote unit, such as a GPS receiver, to a computer.

EDT

Eastern daylight time

Elevation field (GPS)

When GPS tracking, displays your current elevation (due to Selective Availability which can vary as much as 512 feet (156 meters); however, 95 percent of the time you can expect greater accuracy.) Elevation is the height above sea-level.

Ephemeris

Data which indicates the position and status of satellites.

EST

Eastern standard time

GMT

Greenwich mean time; used as the standard of time throughout the world.

GPS

Global Positioning System; a "constellation" of orbiting satellites used to calculate a precise position on or near the earth's surface.

HDOP

The measure of how much the geometry of the satellites affects the horizontal position estimate.

Heading

Azimuth of the longitudinal axis of an aircraft or ship. Heading may differ from direction of travel when flying or boating due to currents in the air or water.

Initialize

To set to a starting position, as in obtaining initial coordinates for a GPS receiver.

Latitude

Position north or south of the equator in degrees, minutes, and seconds.

Log

A record of the speed, direction, and route of travel as obtained via GPS.

Logging

Recording the speed, direction, and route traveled using GPS.

Longitude

Position east or west of the prime meridian in degrees, minutes, and seconds.

Maximum Speed field

When GPS tracking, displays your maximum speed.

MDT

Mountain daylight time

MST

Mountain standard time

NMEA

National Marine Electronics Association

PDOP

The measure of how much the error in the position estimate produced from satellite range measurements is amplified by a poor arrangement of satellites (with respect to the receiver antenna).

Port

A hardware interface used by a computer to communicate with an external device.

PPS

Precise Positioning System; radio signals available to military and other authorized personnel for GPS.

Proxy server

An application that breaks the connection between sender and receiver. All input is forwarded out a different port, closing a straight path between two networks and preventing a cracker from obtaining internal addresses and details of a private network. Proxy servers are available for common Internet services; for example, an HTTP proxy is used for Web access, and an SMTP proxy is used for e-mail.

Real time

The actual time during which something takes place.

Receiver

Hardware device that receives data, such as from satellites.

Snapping

Attaching a point on one draw object to the exact coordinates of a point in another draw object. You can snap the central shape point of an arc to another object or snap a routable road to an existing road, enabling routing from the drawn road to the road system on the map database .

Speed field

When GPS tracking, displays your speed as you travel.

Third-party GPS device

A GPS receiver manufactured by a company other than DeLorme, such as GARMIN, Magellan, Brunton, Lowrance, Trimble, and so forth.

Time field

When connected to a DeLorme GPS receiver, displays the Greenwich mean time.

Time to the End of the Route field

When GPS tracking, displays the time from your current position to your Finish (based on your current speed).

Time to Next Turn field

When tracking, displays the time from your current position to your next turn or route change (based on your current speed).

Track

To observe or plot the moving path of an object.

Upload

To transfer information from a computer to a remote unit, such as a GPS receiver.

VDOP

The measure of how much the geometry of the satellites affects the vertical position estimate.

Waypoints

Marked positions with specific coordinates that can be downloaded or uploaded.

Travel Condition Information

This list below provides phone number and Web site information by state/province for road conditions and road construction forecasts in the United States and Canada.

State/Province	Road Construction	Road Conditions	Web Site
Alabama	334-242-4128	N/A	www.dot.state.al.us
Alaska	800-478-7674	511	www.dot.state.ak.us
Alberta	780-427-2731	Calgary: 403-246-5853 Edmonton: 780-471-6056	www.ama.ab.ca
Arizona	888-411-7623	511	www.azfms.com
Arkansas	501-569-2000	501-569-2000	www.arkansasinterstates.com
British Columbia	900-565-4997	900-565-4997	www.th.gov.bc.ca/bchighways/roadreports/roadreports.htm
California	800-427-7623	800-427-7623	www.dot.ca.gov/hq/roadinfo
Colorado	303-573-7623	Denver: 303-639-111 877-315-7623	www.cotrip.org
Connecticut	860-594-3061	in-state: 800-443-3061 outside CT: 860-594-2650	www.dot.state.ct.us/trav_info/index.html www.dot.state.co.us/TravelInfo/Index.htm
Delaware	800-652-5600	N/A	www.deldot.net/static/travel.html
Florida	511 (partial coverage) Lake City: 800-749-2967 Miami: 800-435-2368 Orlando: 800-780-7102 Southwest:	511 (partial coverage) Lake City: 800-749-2967 Miami: 800-435-2368 Orlando: 800-780-7102 Southwest: 800-292-3368 Tampa: 800-	www.dot.state.fl.us www.myflorida.com www.fhp.state.fl.us

State/Province	Road Construction	Road Conditions	Web Site
	800-292-3368 Tampa: 800-226-7220 Turnpike: 800-749-7453 I-75 or I-10: 800-475-0044	226-7220 Turnpike: 800-749-7453 I-75 or I-10: 800-475-0044	
Georgia	888-635-8287	888-635-8287	www.dot.state.ga.us
Hawaii	808-536-6566	808-536-6566	N/A
Idaho	Treasure Valley: 208-336-6600 All other areas: 888-432-7623	Treasure Valley: 208-336-6600 All other areas: 888-432-7623	www.itd.idaho.gov
Illinois	Toll-free roads: 312-368-4636 Toll-free roads: 800-452-4368 Toll highways: 800-865-5394	Toll-free roads: 312-368-4636 Toll-free roads: 800-452-4368 Toll highways: 800-865-5394	www.illinoisroads.info www.dot.state.il.us
Indiana	317-232-8300	317-232-8300	www.in.gov/dot/motoristinfo
Iowa	511	511	www.dot.state.ia.us/roadcons.htm
Kansas	511	511	www.ksdot.org
Kentucky	511	511	www.kytc.state.ky.us
Louisiana	N/A	N/A	www.dotd.state.la.us
Maine	511	511	www.state.me.us/mdot/homepage.htm
Manitoba	877-627-6237 204-945-3704	877-627-6237 204-945-3704	www.gov.mb.ca/tgs/hwyinfo/roadinfo1.html
Maryland	800-323-6742 410-545-0300	877-229-7726	www.sha.state.md.us
Massachusetts	617-374-1234	617-374-1234	www.mass.gov
Michigan	800-381-8477	800-381-8477	www.michigan.gov/mdot
Minnesota	511 800-657-3774	511	www.dot.state.mn.us

State/Province	Road Construction	Road Conditions	Web Site
Mississippi	601-359-7338	601-987-1211	www.gomdot.com
Missouri	888-275-6636 800-222-6400	888-275-6636	www.modot.state.mo.us
Montana	511	511	www.mdt.state.mt.us/travinfo
Nebraska	511	511	www.dor.state.ne.us
Nevada	877-687-6237	877-687-6237	www.nevadadot.com/traveler
New Brunswick	N/A	800-561-4063	www.gnb.ca/0113/roadcond/road-conditions-e.asp
New Hampshire	511	In state: 511 Outside NH: 866-282-7579	www.state.nh.us/dot/traveler.htm
New Jersey	Central: 732-308-4074 Northern: 973-770-5025 Southern: 609-866-4940	N/A	www.state.nj.us/transportation
New Mexico	800-432-4269	800-432-4269	www.nmshtd.state.nm.us
New York	N/A	NY Thruway: 800-847-8929	www.dot.state.ny.us/roads/roads.html
Newfoundland	N/A	N/A	www.roads.gov.nf.ca
North Carolina	919-733-2210	N/A	www.doh.dot.state.nc.us/impact
North Dakota	511	511	www.state.nd.us/dot/road.html
Northwest Territories	N/A	800-661-0750	www.gov.nt.ca/Transportation/index.html
Nova Scotia	N/A	902-424-3933	www.gov.ns.ca/tran/roadconditions
Nunavut	888-252-9869	888-252-9869	http://www.gov.nu.ca/Nunavut
Ohio	511	511	www.dot.state.oh.us/
Oklahoma	N/A	405-425-2385	www.okladot.state.ok.us
Ontario	Within Canada: 800-268-4686 Toronto: 416-235-4686	Within Canada: 800-268-4686 Toronto: 416-235-4686	www.mto.gov.on.ca/english/
Oregon	In state: 511 Outside OR: 503-588-2941	In state: 511 Outside OR: 503-588-2941	www.tripcheck.com
Pennsylvania	Within PA: 888-783-6783 Outside PA:	Within PA: 888-783-6783 Outside PA: 717-783-5186	www.dot.state.pa.us

State/Province	Road Construction	Road Conditions	Web Site
	717-783-5186		
Prince Edward Island	N/A	Charlottetown: 902-368-4750 Georgetown: 902-652-8960 Summerside: 902-888-8275	www.gov.pe.ca/roadconditions/index.php3
Quebec	888-355-0511	888-355-0511	www.mtq.gouv.qc.ca/en/accueil/plansite.asp
Rhode Island	401-222-4545	N/A	www.dot.state.ri.us/webtraf/index.html
Saskatchewan	N/A	In province: 888-335-7623 Outside SK: 306-933-8333	roadinfo.telenium.ca/shwyw.html www.highways.gov.sk.ca
South Carolina	N/A	N/A	www.dot.state.sc.us
South Dakota	511	511	www.sddot.com/travinfo.asp
Tennessee	800-858-6349	800-342-3258	www.tdot.state.tn.us/information-office/const.htm
Texas	800-452-9292	800-452-9292	www.dot.state.tx.us/hcr/main.htm
Utah	511	511	www.dot.state.ut.us
Vermont	N/A	800-429-7623	www.aot.state.vt.us/travelinfo.htm
Virginia	800-367-7623	800-367-7623	virginiadot.org/comtravel/default.asp
Washington	800-695-7623	800-695-7623	www.wsdot.wa.gov/traveler.htm
West Virginia	N/A	877-982-7623	www.wvdot.com/6_motorists/6_motorists.htm
Wisconsin	800-762-3947	800-762-3947	www.dot.state.wi.us
Wyoming	307-772-0824	In state: 888-996-7623 Outside WY: 307-772-0824	www.wyoroad.info/highway/text_road.html
Yukon Territory	867-456-7623 877-456-7623	867-456-7623 877-456-7623	www.gov.yk.ca/roadreport

Travel Contacts

This Help topic contains hotel, car rental, and airline information.

Hotel Information

Hotel Name	Phone Number
AmeriHost Inn	800-434-5800
AmeriSuites	877-774-6467
Baymont Inn & Suites	866-999-1111
Best Inns and Suites	800-237-8466

Hotel Name	Phone Number
Best Western International, Inc.	800-780-7234
Clarion Hotels	877-424-6423
Comfort Inns	877-424-6423
Country Inns & Suites	888-201-1746
Courtyard by Marriott	888-236-2427
Crowne Plaza	888-303-1746
Days Inn	800-329-7466
Doubletree Hotels	800-222-TREE
Drury Inn	800-DRURY INN
Econo Lodge	800-55 ECONO
Embassy Suites	800-EMBASSY
Extended StayAmerica	800-804-3724
Fairfield Inn	800-228-2800
Fairmont Hotels	800-257-7544
Hampton Inn	800-HAMPTON
Hawthorn Suites	800-527-1133
Hilton Hotels	800-HILTONS
Holiday Inn	800-HOLIDAY
Holiday Inn Express	800-HOLIDAY
Homewood Suites	800-CALLHOME
Howard Johnson	800-446-4656
Hyatt Hotels and Resorts	800-633-7313
Inter-Continental Hotels	888-303-1758
Jumer's Hotels	800-AT JUMER
La Quinta Inns	866-725-1661
Loews Hotel	800-23 LOEWS
MainStay Suites	877-424-6423
Marriott Hotels	888-236-2427
Microtel Inn	888-222-2142
Motel 6	800-4MOTEL6
Omni Hotels	800-THE-OMNI
Park Plaza International	888-201-1803
Quality Inn	877-424-6423
Radisson Hotels International	888-201-1718
Raffles International Hotels and Resorts	800-637-9477
Ramada Hotels	800-2-RAMADA
Red Roof Inn	800-RED ROOF
Regal Hotels	800-222-8888
Renaissance Hotels	800-HOTELS1
Residence Inn by Marriott	800-331-3131
Rodeway Inn	877-424-6423
Sheraton Hotels & Motor Inns	800-325-3535
Shoney's Inn	800-552-4667
Signature Inn	800-822-5252
Sleep Inn	800-SLEEP INN
Staybridge Suites	877-932-4117
Super 8 Motels, Inc.	800-800-8000
Travelodge & Viscount Hotels	800-578-7878

Hotel Name	Phone Number
W Hotels	888-625-5144
Westin Hotels & Resorts	888-625-5144
Wyndham Hotels and Resorts	877-999-3223

Car Rental Information

Car Rental Company	Phone Number
Alamo	800-603-5471
Avis	800-230-4898
Budget	800-527-0700
Dollar	800-800-3665
Enterprise	800-261-7331
Hertz	800-654-3131
National	800-227-7368
Payless	800-729-5377
RentaWreck	800-944-7501
Thrifty	800-847-4389

Airline Information

Airline Name	Phone Number
Airtran Airways	800-AIRTRAN
Alaska Airlines	800-252-7522
America West Airlines	800-235-9292
American Airlines	800-433-7300
American Eagle	800-433-7300
Continental Airlines	800-525-0280
Delta Airlines	800-221-1212
Hawaiian Airlines	800-367-5320
Midwest Express Airlines	800-452-2022
Northwest Airlines	800-225-2525
Southwest Airlines	800-435-9792
United Airlines	800-864-8331
USAirways	800-428-4322

Help


Help Overview

There are several ways to get more information on Street Atlas USA 2005 features and functionality.

On-Screen Help


Help is available in the dialog area of Street Atlas USA 2005 in the form of ToolTips and information boxes.

Help Menu


Click the **Help** button  on the title bar to view the online Help options available with Street Atlas USA 2005. Then, click an item to select it.

To access a Help menu item using its underlined letter, click the **Help** button and then press the underlined letter (for the desired item) on your keyboard. For example, to access the Map Legend, click the **Help** button and then press the M key on your keyboard.

Context-Sensitive Help

Click the context-sensitive Help button  to receive overview Help information for the tab you are using.

Using the Help System

This Help system provides explanations of all of the features and functions of Street Atlas USA 2005. To access the Help system, click the Help button  on the title bar and then click **Help Topics**, or press the F1 key on your keyboard.

The Help system displays three tabs:

- **Contents**

To view an outline of the Help system contents, click the **Contents** tab.

- To view the overview for a particular book, click the book.
- To view the additional topics under a particular book, double-click the book.
- To view a topic, click the desired page.

- **Index**

Use the following steps to search the Help system index.

1. While in the Help system, click the **Index** tab.
2. Type a keyword in the entry field. The list automatically scrolls to the closest matching entry.
3. Double-click the desired topic.
OR
Click the topic and then click **Display**.
OR
Click the topic and press the ENTER key on your keyboard.

Notes:





- If a topic has any secondary index references, a window displays the secondary index options. Click the item of interest to display the topic.
- If you don't find what you're looking for in the index, click the **Search** tab and try a search for your keyword.

- **Search**

Use the following steps to search for particular words or phrases within topics in the Help system.

1. While in the Help system, click the **Search** tab.
2. Type a keyword in the entry field and then click **List Topics** or press the ENTER key on your keyboard. A list of topics containing the keyword displays.


3. Double-click the desired topic under Select Topic to Display.
OR
Click the topic and then click **Display**.
OR
Click the topic and press the ENTER key on your keyboard.


- The Help system keeps a history of viewed topics. Click the **Back** button  to browse backward through previous topics. Click the **Forward** button  to browse forward through the topics previously viewed.
- Print any of the Help Topics by selecting a topic or heading (next to the book symbol) and then clicking the **Print** button . You can choose to print only the selected topic or a heading and all subtopics.
OR
Right-click the topic displaying in the right window to print only that topic.
Tip: Before clicking Print, expand any links in the topic which include information you want to print within your topic.
- While in the Help system, the pointer changes to a hand when it passes over text or graphics that you can click for more information.
- The Help Topics window is a standard window that can be moved or resized.
- To exit Help, click the close button  in the upper-right corner of the screen.

Help Documentation Conventions

To help you easily locate and interpret information, this Help system has been formatted with various words in all capital letters, in color, in boldface type, and so forth. There are also hyperlinks which expand, jump to another location within the same topic, or link you to other topics.

The table below defines each convention and its use.

The convention...	Is used for...
ALL CAPITALS	Acronyms, names of certain commands, and keys on the keyboard. Note: Use of the plus sign (+) between key names indicates key combinations which perform various actions. For example, in the directions "Press CTRL+SHIFT+F3 on your keyboard," you must press and hold the CTRL and SHIFT keys while pressing F3.
Bold	Command buttons, tab names, and options when used in procedures and exercise steps. Also used for information that you type exactly into a particular field. Headings and table headings are bold for emphasis.
<i>Italic</i>	Directory names and paths; used sparingly for emphasis; also used when referring to titles of chapters, sections, and publications.
Blue underlined text	Hyperlinks. These links act differently depending on their context. When it is: <ul style="list-style-type: none"> • Referenced with "for more information," the link always goes to another topic. • Embedded in text, such as in the example "Open the file," the link either goes to another topic or displays a secondary window with a definition or graphic.
Red underlined text	Drop-down text which expands within the same topic to reveal more information (such as a procedure).
 symbol in a yellow box	A note that applies to the entire Help topic. If there is more than one note, the Notes symbol is used and the notes are bulleted.

The convention...	Is used for...
Note(s): in Yellow Highlight	A note within a procedure. If there is more than one note, the notes are bulleted.
 symbol in a blue box	A tip that applies to the entire Help topic. If there is more than one tip, the Tips symbol is used and the tips are bulleted.
Tip(s): in Blue Highlight	A tip within a procedure. If there is more than one tip, the tips are bulleted.

Street Atlas USA 2005 User Guide

The Street Atlas USA 2005 User Guide includes the entire Help system contents, modified for print format, in a portable document format (.pdf). When the guide is accessed, Adobe® Acrobat® Reader launches. The User Guide contains a table of contents and can be printed out as a hard-copy reference.

To access the User Guide, click the **Help** button  **HELP** on the title bar and then click **User Guide**.

On-Screen Help

There are three ways to obtain on-screen Help while using Street Atlas USA 2005.

Pop-up Tutorials

When you click a variety of functions in Street Atlas USA 2005, a pop-up message displays. The pop-up message provides additional information for using that particular function in Street Atlas USA. If you do not want to see the pop-up tutorials throughout the program, click the Help button in the upper-right corner of the application and then click **Shut Off All Pop-Up Tutorials**.

ToolTips

When you point to any of the Street Atlas USA 2005 tools for a few seconds, a short label (ToolTip) displays on your screen describing the tool. ToolTips also display in Street Atlas USA 2005 windows and dialog boxes when you point to a button, icon, or other feature.

Information Boxes

Several of the Street Atlas USA 2005 tabs contain information boxes that often display to the left of the Overview Map (the small map in the lower-right corner of your screen). Information boxes provide descriptions about the features and functions of the selected tab.


Basic Functions

Basic Functions Overview

Map control in Street Atlas USA 2005 is accomplished by using standard mouse point-and-click functionality and the Control Panel tools. Right-click options provide flexibility for labeling, routing, getting information, and so forth. For more information, see other Basic Functions topics. If they are not currently displaying, double-click the Basic Functions book.

To Control the Map

The following list details the basic functions for controlling map movement.

- The mouse is used to pan or center the map view. Click a spot on the map to center the map on that point.
- A white hand displays when you point near the edge of the map. When the hand is visible, drag the map in the desired direction.
- Use the black view box in the Overview Map window to pan the map. Point anywhere on the view box.
When the pointer becomes a , drag the view box to the desired location.
- The mouse button also allows you to quickly zoom the map using drag and zoom functionality.

To Use the Tabs

Click on a tab to view the available functionality. You can also use the keyboard arrow keys to browse through the tab areas. If it is not possible to display all tabs, horizontal scroll arrows display to the right of the last visible tab.

Drag and Zoom

One of the most convenient features of Street Atlas USA 2005 is the ability to quickly zoom in on the map by using drag and zoom functionality. Zoom in by dragging the mouse in a down-right direction or zoom out by dragging the mouse in an up-left direction.

To Zoom In

Zooming in increases the data zoom level number and shows a smaller geographic area at greater detail.

Use the following steps to zoom in.

1. Drag the mouse in a down-right direction on the map to encompass the area you want to display. A view box displays on the screen and changes dimension as you move the mouse. A label displays the data zoom level at the current map center.
2. Once you reach the desired area or data zoom level you want to display, release the mouse button. The area you selected fills the map window, the map re-centers, and the map view adjusts to show the appropriate level of detail.

Tip: You can move the view box to another location by pressing the SHIFT key at anytime during this procedure.

To Zoom Out

Zooming out decreases the data zoom level number and shows a larger geographic area at lesser detail. The maximum zoom-out level is 2-0.

Use the following steps to zoom out.

1. Drag the mouse in an up-left direction on the map. A staircase with a small circle displays on the screen.
2. Continue dragging the mouse in an up-left direction. The small circle moves up the steps, one step per data zoom level. A label displays the data zoom level to the bottom-right of the staircase.
3. Once you reach the desired data zoom level you want to display, release the mouse button. The map view adjusts to display the appropriate level of detail. The map center is retained on your screen.




Additional zoom features include the Data Zoom Level controls and the Zoom tools.

Panning/Centering the Map

You can use any of the following methods in Street Atlas USA 2005 to pan (move) or center the map.

- Click anywhere on the current map view. The point at which you click becomes the new map center.
- When you point near the map edge, a white hand displays. Drag the hand to move the map in that direction.
- Click anywhere on the Overview Map. The point where you click becomes the new map center. This technique allows you to traverse greater distances with each mouse click than you can within the main map.

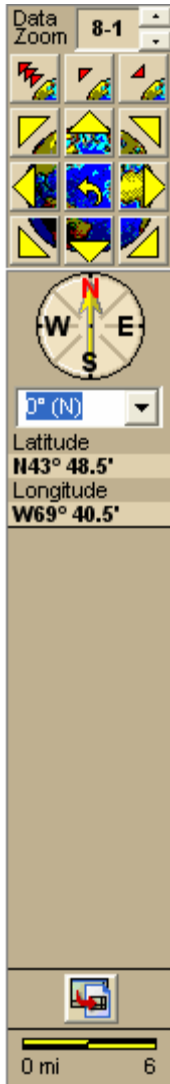
Note: If the Overview Map, the small map in the lower-right corner of the screen, is not displaying, pan or zoom the map.

- Point anywhere on the black view box in the Overview Map window. When the pointer becomes a , drag the view box to the desired location.
- Use the search feature in the Find tab to center the map on a particular location.
- Press ALT+ an arrow key (up, down, left, or right) to pan the map view in small increments in the desired direction.
- While the **Num Lock** key is off, you can use the direction keys on your numeric keypad to move the map. Press:
 - ALT+UP ARROW to pan the map up.
 - ALT+RIGHT ARROW to pan the map right.
 - ALT+DOWN ARROW to pan the map down.
 - ALT+LEFT ARROW to pan the map left.

Note: Verify the Num Lock key is off by checking that the Num Lock indicator light is turned off.

Control Panel

The Control Panel, located to the right of the map view, displays information pertinent to the current map view and map cursor position. It also includes zoom and map pan buttons.



Data Zoom Level—The current data zoom level of the map view; ranges between 2-0 (maximum zoom-out) and 16-0 (maximum zoom-in).

Zoom Tools—Buttons that quickly zoom out three levels, out one level, or in one level. For more information, see *Zooming In and Out* on page 38.

Compass Rose—A group of nine buttons, eight with yellow arrows pointing outward. Click one of the arrow buttons to pan the map in that direction. Click the middle button to center the map on the previous map view. This button performs an undo function for the last pan or zoom (up to 256 times).

True North Indicator—Indicates the position of North relative to the current map view. When the map is rotated using the Map Rotation tool, the True North arrow indicates True North in relation to the rotated map.

Map Rotation Tool—This drop-down list is used to change the orientation of the map display by adjusting the degree of map rotation. The angle of map orientation is directly related to the degrees of a compass; for example, 90 degrees is always East.

Latitude/Longitude—Latitude/longitude coordinates for the current map cursor position display based on the units chosen under Coordinates on the Units dialog area in the Map Display tab.

Print Screen Button—Prints the current view as it displays on the screen (the control panel, tab area, map view(s), etc.).

Scale Bar—Indicates the distance one scale bar unit equals in the measurement chosen under Measures on the Units dialog area in the Map Display tab.

Map Rotation Tool

Street Atlas USA 2005 allows you to change the orientation of the map display by adjusting the degree of map rotation. The angle of map orientation is directly related to the degrees of a compass; 90 degrees is always East, 135 degrees is Southeast, 180 degrees is South, and so forth. For example, when you select 90 degrees from the drop-down list, the map rotates so that 90 degrees (East) is at the top of the screen.

To Change the Map Rotation

Use one of the following two methods to change the angle of map rotation.


- Select an angle from the available drop-down list (in 45 degree increments)

OR

- Type a specific angle (from 0 to 359 degrees) in the entry field.
 - The True North Indicator adjusts when a new degree of map rotation is set.
 - The black rectangle in the Overview Map window, indicating the current map view, also rotates to match the angle of map rotation.
 - A rectangle drawn with the Polygon/Rectangle/Circle tool in the Draw tab is positioned in relation to North.

Using the Overview Map

The Overview Map is a smaller map in the lower-right corner of the screen, which offers a wide-angle view of your current map view area. It is approximately three data zoom-levels out from the current map view.

- Click anywhere on the Overview Map and that point becomes the new map center. This technique allows you to travel greater distances with each mouse click than you can within the larger, current map view.
- Use the black view box in the Overview Map window to pan the map. Point anywhere on the view box. When the pointer becomes a , drag the view box to the desired location.

Right-Click Mouse Options

Right-click mouse options in Street Atlas USA 2005 make many functions more convenient.

To Use Right-Click Options for Map Features

Click the right mouse button while pointing to a draw object, road, river, city, or other map feature. A shortcut menu displays near the selection point with the options available for that particular map feature.

If there are multiple (layered) objects on the point that is right-clicked, additional menu options corresponding to the map objects are available.

- **Add MapNote**

The Add MapNote right-click option allows you to label map locations with various types of MapNotes. Right-click the point on the map you want to label, point to **Add MapNote**, and then click one of the available options.

Each MapNote type provides different information, as shown in the following table.

MapNote Type (Color)	MapNote Label Information
MapNote (light blue) Not always available.	Name of feature or its type, if unnamed. Note: If there is no feature type, no MapNote displays. This is most noticeable when right-clicking on land only.
Detailed MapNote (light blue) Not always available.	Name, feature name, feature category, and measurement information, for example: Great Cranberry Island, Land or Island, Earth Surface, 1.71 square miles.
Where Am I MapNote (light blue)	City, county, and state names, plus the ZIP Code.
Coordinate MapNote (light blue)	Coordinate information, based on the latitude/longitude format chosen in the Map Display tab.
Blank MapNote (white)	A blank label, which you can edit yourself.

- **Manage Route**

- To clear a route from view, right-click the route and then click **Clear Route**.
- To reverse the direction of the route, right-click the route and then click **Reverse Route**.
- To convert a Stop to a Via, right-click the Stop/Via and then click **Convert to Stop** or **Convert to Via**.
- To delete a Stop or a Via, right-click the Stop/Via and then click **Delete Stop** or **Delete Via**.
- To calculate the quickest route between your Start and Finish points, right-click the route and then click **Calculate Road Quickest**.
- To calculate the shortest distance between your Start and Finish points, right-click the route and then click **Calculate Road Shortest**.

- **Manage Draw Objects**

- To make changes to symbol or MapNote text, right-click the desired item, click **Manage Draw Objects**, and then click **Edit Draw Object Text**.

- To delete a draw object, right-click the desired item, click **Manage Draw Objects**, and then click **Delete Draw Object**.
- To join multiple lines, press the CTRL key on your keyboard while you select the lines, click **Manage Draw Objects**, and then click **Join Lines**.
- To break a line, select the line on the map, click **Manage Draw Objects**, and then click **Break Line**.
- To copy a line directly on the selected item, click **Manage Draw Objects** and then click **Copy to Draw Object**. By using options in the Draw tab, you can select and then move and/or manipulate the linear object. For example, you can use a road as one edge of a polygon shape, by dragging its shapepoints into the desired configuration. Map lines which can be copied to Draw objects include all types of roads and highways, railroad, power lines, pipelines, rivers or streams, and grid lines.

- **Info**

Right-click a point, symbol, feature, or area on the map and then click **Info** to identify it and view detailed information about it. This information displays in the Info tab.

Notes:

- The type of descriptive information varies, depending on the item you have right-clicked. You can also copy the information and paste it into another program, such as a word processor.
- If there is more than one object under the point you clicked, information for each object displays.

- **Find Travel POIs**

1. Right-click a point on the map, point to **Find Travel POIs**, and then select a distance. The Find tab displays and a category search is launched.
2. When the Find Category within Distance from Mouse Click dialog box displays the general categories, review the listing. Clear the check box of any category you do not want included in your results.
3. Click **OK** to perform the search. Results are sorted based on the distance from the point where you clicked.

Note: The search may take awhile, depending on the location and the distance specified.

- **Create Route**

You can use Create Route right-click options from any tab. Right-click a point on the map and then select one of the options in the table below.

Note: Once set, route points can be repositioned or resequenced. For more information, see *Editing a Route* on page 108.

Routing option	Function
Set as Start	Sets the selected point as the starting point of your route.
Add Stop	Adds a numbered stop to your route. All new stops are added in sequence.
Add Via	Adds a numbered via to your route. All new vias are added in sequence.
Insert Stop	Inserts a stop geographically within your route. (If the Automatic Calculation check box is selected in the Route dialog area, the route automatically recalculates based on shortest distance between each stop.)
Insert Via	Inserts a via geographically within your route. (If the Automatic Calculation check box is selected in the Route dialog area, the route automatically recalculates based on shortest distance between each stop.)
Set as Finish	Sets the selected point as the endpoint of your route.

- **Copy Map to Clipboard**

Copies the current map to the clipboard so that it can be pasted into a third-party application (such as a Word Processing application).

To Use Right-Click Options in the Find Results List

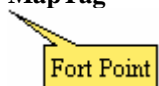

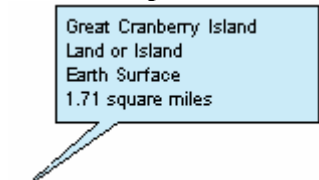
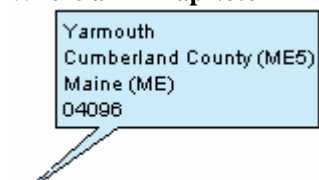
After performing a QuickSearch or an advanced search, you can right-click an item in the Find results list. A shortcut menu displays the following options.

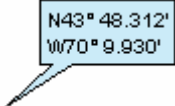
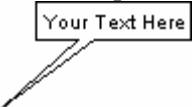

- **Copy to Clipboard**
Copies the information for the selected item(s) and makes it available for pasting into another program.
- **Go To**
Provides the same result as clicking the Go To button.
- **Select All**
Selects all items in the list and highlights them on the map (up to 350). The Go To button name switches to Add Tags. Click Add Tags to add MapTags to all selected items. Or, if you right-click again (with all items selected), you can select Copy to Clipboard or Add MapTags.
- **Add**
Click **Add** and then click **MapTag**, **MapNote**, or **Detailed MapNote** to add the item to the location clicked on the map.
- **Route**
Assign a point on the map as a start, stop, or finish of a route by right-clicking a point on the map and then selecting **Set as Start**, **Insert as Stop**, or **Set as Finish**.

Moving or Deleting MapTags, MapNotes, and Text Labels

There are several types of tags, notes, and text labels used in Street Atlas USA 2005. Once these are created, you may forget where and how you generated these items, which is important to know when you want to edit, move, or delete them.

Use the following table to determine what type of item you have, read a short description, and find more information on moving, deleting, and editing.

Type of item	Description
MapTag 	A MapTag displays at the location where a place, street address, feature type, coordinate, and so forth are located using the search function in the Find tab.
MapNote 	A MapNote created using right-click functionality, it provides the feature name.
Detailed MapNote 	A MapNote created using right-click functionality, it provides the name, feature name, feature category, and measurement information.
Where am I MapNote 	A MapNote created using right-click functionality, it provides the city/town name, county name and code, state name and abbreviation, and ZIP Code.

Type of item	Description
Coordinate MapNote 	A MapNote created using right-click functionality, it provides the coordinate position based on the current Units preference selected in the Map Display tab.
Blank MapNote 	You can label your map with a MapNote you edit yourself by using: Right-click functionality OR The MapNote/Text Label tool in the Draw Tab.
Text Label 	You can label your map with a text label you can edit yourself by using the MapNote/Text Label tool in the Draw Tab. Text labels do not have a background color like other map labeling items.

Reordering the Tabs




The Tab Manager feature in Street Atlas USA 2005 lets users customize their program by reordering the tabs. You can access Tab Manager during installation or after installation using the Tab Manager option in the Help menu.



- If you reorder the tabs while the program is open, you must exit and restart the program to view the tab changes.
- If you have selected to show all or most of the tabs in Street Atlas USA 2005, you will need to use the tab scroll buttons in Street Atlas USA 2005 to view any tabs that are not currently visible. Tab scroll buttons display to the left of the left-most visible tab and to the right of the right-most visible tab. The tab scroll buttons are active when additional tabs are available and out of view. Hold the active tab scroll buttons to shift the tabs to the right or left.

To Reorder the Tabs

Use the following steps to reorder the tabs in Street Atlas USA 2005 using Tab Manager.

1. Open Street Atlas USA 2005.
2. Click the **Help** button  on the title bar and select **Tab Manager** from the Help menu.
OR
From the Start menu, point to **Programs**, point to **DeLorme**, point to **Street Atlas USA 2005**, and then click **Tab Manager**.
3. Click **Tab Manager**. The Street Atlas USA 2005 Tab Manager dialog box displays.
4. Select the tab you want to reorder.
5. Click the up arrow  or the down arrow  to move the tab in the desired position.
6. Repeat steps 4 and 5 for each tab you want to reorder.
7. Optional: Click **Default** if you want to cancel the reordering process and use the default tab order (showing all available tabs).
8. Click **OK**.
9. Exit Street Atlas USA 2005.
10. Open Street Atlas USA 2005.

Showing or Hiding Tabs in Street Atlas USA 2005


The Tab Manager feature in Street Atlas USA 2005 lets users customize their program by showing or hiding certain tabs. You can access Tab Manager during installation or after installation using the Tab Manager option in the Help menu or from the Start menu by pointing to **Programs**, pointing to **DeLorme**, pointing to **Street Atlas USA 2005**, and then clicking **Tab Manager**.



If you use Tab Manager while the program is open, you must exit and restart the program to view the tab changes.

To Show Tabs


Use the following steps to show tabs in Street Atlas USA 2005 using Tab Manager.

1. Open Street Atlas USA 2005.
2. Click the **Help** button  on the title bar and select **Tab Manager** from the Help menu.
OR
From the Start menu, point to **Programs**, point to **DeLorme**, point to **Street Atlas USA 2005**, and then click **Tab Manager**.
3. Click **Tab Manager**. The Street Atlas USA 2005 Tab Manager dialog box displays.
4. Select the check box next to each tab you want to display in the program.
Note: Click **Default** to show all of the tabs in the program in the default order (add-on modules excluded).
5. Exit Street Atlas USA 2005.
6. Open Street Atlas USA 2005.

To Hide Tabs

Hiding tabs may significantly increase the startup speed of Street Atlas USA 2005.

Use the following steps to hide tabs in Street Atlas USA 2005 using Tab Manager.

1. Open Street Atlas USA 2005.
2. Click the **Help** button  on the title bar and select **Tab Manager** from the Help menu.
OR
From the Start menu, point to **Programs**, point to **DeLorme**, point to **Street Atlas USA 2005**, and then click **Tab Manager**.
3. Clear the check box next to each tab you want to hide in the program.
OR
Click **Minimum**. Only the required tabs will display in the program.
Note: Find, Map Files, Info, Map Display, and NetLink are required tabs and cannot be hidden.
4. Exit Street Atlas USA 2005.
5. Open Street Atlas USA 2005.







Resizing the Map and Tab Areas

The Tab and Overview Map windows in Street Atlas USA 2005 default to 20% your computer's screen height. These windows can be resized horizontally and vertically (to a maximum of 40% screen height) using the three resize buttons, a drag method, or the F11/F10 keys.

- The Tab and Overview Map window size is retained when you choose another tab.
- If you have selected to show all or most of the tabs in Street Atlas USA 2005, you will need to use the tab scroll buttons to view any tabs that are not currently visible. Tab scroll buttons display to the left of the left-most visible tab and to the right of the right-most visible tab. The tab scroll buttons are active when additional tabs are available and out of view. Hold the active tab scroll buttons to shift the tabs to the right or left.
- Some tab areas which provide search results automatically resize depending on the number of results.



To Resize the Map and Tab Area Using the Resize Buttons

There are three Resize toggle buttons, which switch to the opposite function once they are clicked. The following table shows each Resize button, provides its name, and describes its function. Each button is immediately followed by its toggle opposite.


Button	Button Name	Button Function
	Increase to Maximum Width	Maximizes the tab area. All tabs are in view and the information area widens. The right and left scroll arrows do not display and the Overview Map is very narrow.
	Decrease to Normal Width	Restores the tab area to its default size. Right/Left scroll arrows and the Overview Map display.
	Decrease to Minimum Height	Displays a minimum view of the tab names.
	Increase to Normal Height	Increases to the 20% screen height size. Note: You can also double-click the horizontal border to increase the screen height size to 20%.
	Increase to Maximum Height	Increases to the 40% screen height size.
	Decrease to Normal Height	Decreases to the 20% screen height size. Note: You can also double-click the horizontal border to decrease the screen height size to 20%.

To Resize the Map and Tab Area Using the Drag Method

The drag method can be used to resize these areas horizontally or vertically. Use the following steps to resize using the drag method.

1. Point to the frame area between the Tab and Overview Map windows. The pointer becomes a .
OR
Point to the horizontal edge of the Tab or Overview Map window. The pointer becomes a .
2. Drag to resize.
3. To cancel the resize while dragging, press the ESC key on your keyboard. The size just prior to this resize is restored.

To Resize the Map and Tab Area Using Function Keys

Press the **F11** key on your keyboard. Your pointer becomes a  and is repositioned to the top of the Tab and Overview Map windows, centered over the frame between the two windows. Move your mouse to resize to the desired height and width. Click the mouse once when done.

To return to the default Tab and Overview Map window size, press the **F10** key on the keyboard or double-click each border.

You can use the arrow keys on the keyboard to resize, after pressing the **F11** key on your keyboard. When done, press the ENTER key on your keyboard.

Data Zoom Level

Street Atlas USA 2005 uses data zoom levels between 2-0 (maximum zoom-out) and 16-0 (maximum zoom-in, in most instances).

Data zoom level has to do with the relationship between what you see in a map view and how it exists in reality. It is the amount of geographic data displayed on a computer monitor or handheld device screen. The data zoom level is similar to the traditional fractional relationship expressed on paper maps (for example, 1:24,000, 1:100,000, 1:500,000, and so forth).

To Change the Data Zoom Level Using the Data Zoom Level Tool



The Data Zoom Level tool is located on the Control Panel, to the right of the map view.

Click the up arrow to zoom out one minor data zoom level at a time. As you zoom out, you see a larger geographic area with less detail.

Click the down arrow to zoom in one minor data zoom level at a time. You can continue zooming in to the maximum data zoom level.






Use the **Zoom In 1** tool and watch as state routes, local roads, smaller towns, lakes and rivers, points of interest, and so forth begin to display on the map.

Zooming In and Out

With Street Atlas USA 2005, you can use the Zoom tools to quickly change the data zoom level of the map view. Increasing the data zoom level number shows a smaller geographic area at greater detail. Decreasing the data zoom level number shows a larger geographic area at lesser detail.

To Zoom In/Out Using the Zoom Tools

Use the zoom tools shown below to zoom quickly.

	Click the Zoom In 1 tool to increase the detail number to the next full level. Note: This tool is unavailable at data zoom level 15-4.
	Click the Zoom Out 1 tool to decrease the detail number to the next full level. Note: This tool is unavailable at data zoom level 2-3.
	Click the Zoom Out 3 tool to decrease the detail number by three full levels. Note: This tool is unavailable at data zoom level 2-3 or below.

You can also change the data zoom level by using any of the following methods:

- Use the up and down arrows on the Data Zoom Level tool in the Control Panel.
- Use drag and zoom functionality. Drag down-right on the map to zoom in or up-left to zoom out.
- Press ALT+PAGE UP on your keyboard to zoom out to the next full data zoom level. Press ALT+PAGE DOWN on your keyboard to zoom in to the next full data zoom level.
- Use the mouse wheel (if available) to zoom the map(s) in and out. Rotate the mouse wheel to zoom in by individual data zoom level steps or hold the SHIFT key while rotating the mouse wheel to zoom to the next full data zoom level. Make sure that the main map is focused either by clicking on it or by pressing the F12 key on the keyboard.

Find

Find Overview

There are four Find options you can use to search for and locate places and other map items in Street Atlas USA 2005: the QuickSearch, POI, Advanced, and GPS Radar functions.

- **QuickSearch**—Search for places, addresses, cities/towns, ZIP Codes, and coordinate positions. If the item you are looking for is not recognized, the Advanced tab displays automatically.
- **POI**—Search for specific points of interest, such as hotels, restaurants, hospitals, department stores, etc. Search a specified distance from the current map center or along an active route.
- **Advanced**—Control *what* you are looking for via the Find field, and *where* you are looking for it via the Within field while you conduct a more detailed search.
- **GPS Radar**—Search for points of interest (within a designated distance from your current location) while tracking a route with a GPS receiver.

Using QuickSearch

Use QuickSearch to locate places, addresses, ZIP Codes, and coordinate positions.

- If the item you are looking for is not recognized, the Advanced dialog area displays automatically.
- To search for other items, such as an area code and exchange, street intersection, or a category (such as Park, Interstate, and so forth), use the Advanced search capability provided in Street Atlas USA 2005.

To Search for a Place, Address, ZIP Code, or Coordinate

Follow the steps below to use QuickSearch.

1. Click the **Find** tab and then click **QuickSearch**.
2. Type a name, address, ZIP Code, or coordinate in the Search For text box.

Notes:

- Do not enter more than five digits for a ZIP Code search.
 - Address searches should be in the following formats: street address, city, state **OR** street address, ZIP Code.
3. Click **Search**. If your search is:
 - **Very Successful**—The results list displays and, if there is one excellent match, the map centers on that place and a MapTag displays if the MapTags check box is selected.
Note: The only time a MapTag is not placed is when you find and then go to a labeled area that has no single map point associated with it (for example, a large park).
 - **Successful**—The results list displays. Scroll (or browse) through the list of search results until you find the one you want to locate. To center an item on the map, double-click it or select it and then click **Go To**. A yellow MapTag displays at the location if the MapTags check box is selected.
Tip: Single click an item in the results list if you want to highlight it on the map without adding a MapTag or centering it in the map view. For more information on viewing results, see *Tips on Viewing Find Results* on page 45.
 - **Not Successful**—The Advanced dialog area displays. Street Atlas USA 2005 makes its best guess about the type of search you were trying and your search word(s) display in the upper-right text box. Click **Search** to proceed. For more information, see *Using Advanced Search* on page 41.
- Use a comma to separate city and state (Atlanta, Georgia or Montreal, Canada), major point of interest and state (Space Needle, WA), parts of an address (444 E Pk Drive, Milford, CT or 444 E Pk Dr, 06460), or coordinate points (N 43.8, W 70.2).
Tip: Major landmarks or points of interest such as the Space Needle, Yellowstone National Park, Mount Rushmore, and so forth can be found without using the state as part of the search criteria.
 - Street addresses and minor points of interest can be found by using the city and state, separated by commas, as in the example: 100 Congress St, Portland, ME.

- Click the Search For down arrow to view a drop-down list of previously used search words and examples.
- The Search For drop-down list keeps a history of your search words during a session. It remembers your five most recently used search words between sessions. If you want to delete your search history, select **Clear History** from the drop-down list. Click **No** to delete the search history in the QuickSearch drop-down list. Click **Yes** to delete the search history in both the QuickSearch and Advanced subtabs.

Using POI Search

The new, POI subtab gives you an easy way to find the places of interest you are looking for. With the POI subtab, you can search over 4 millions places of interest including Wal-Marts, post offices, hospitals, and much more.

To Find a Point of Interest

Use the following steps to find a point of interest with the POI subtab.

1. Click the **Find** tab.
2. Click the **POI** subtab. The POI dialog area displays.
3. Type the name of the point of interest you are searching for (for example, Wal-Mart or Sheraton) in the Name text box.
4. Type the category that best fits your POI name (for example, type Hotel if you are searching for a Sheraton, type Department Store if you are searching for Wal-Mart) in the Keyword text box.
OR
Select an appropriate keyword from the Keyword drop-down list.
5. Select if you want to search from the current map center or along the active route.
6. Type the distance you want to search for the specified POI.
7. Click **Search**. If your search is:
 - Very Successful—The results list displays and, if there is one excellent match, the map centers on that place and a yellow box displays at the location of the POI match.
 - Successful—The results list displays. Scroll (or browse) through the list of search results until you find the one you want to locate. To center an item on the map, double-click it or select it and then click **Go To**.

Tip: Single click an item in the results list if you want to highlight it on the map without adding a MapTag or centering it in the map view. For more information on viewing results, see [Tips on Viewing Find Results](#) on page 45.

MapTags: Moving, Hiding, and Deleting

When you search for and then go to a place, street address, coordinate, category item, or street intersection, a yellow MapTag displays at that location if the MapTags check box is selected. If MapTags are cluttering your view of the map, you can move the text area of the MapTag, hide them from view, or delete one, several, or all MapTags.




- The only time a MapTag is not placed is when you find, and then go to, a labeled area that has no single map point associated with it (for example, a large park).
- MapTags are not saved between sessions.

To Move a MapTag

A MapTag cannot be detached from its anchor point. Only the text area can be moved.

Use the following steps to move the MapTag text area.


1. Using the Find tab, search for a place, street address, coordinate, category item, or street intersection. MapTags are placed at each point located on the map.

2. Click the **Select** tool .

Note: The Select tool is available on both the QuickSearch and Advanced dialog areas.

3. Drag the selected MapTag text area to the desired position on the map. The anchor point does not move.

To Hide MapTags

The MapTags check box  **MapTags** controls the viewing of existing MapTags.


- MapTags are visible when the MapTags check box is selected.
- MapTags are hidden from view when the MapTags check box is cleared. Select the MapTags check box at any time to display existing MapTags.

To Delete MapTags

You can delete one, several, or all MapTags.

To delete MapTags, click the **Find** tab and then click the **Select** tool .

Note: The Select tool is available on both the QuickSearch and Advanced dialog areas.

- To delete one MapTag, click the desired MapTag (using the Select tool), and then click the **Delete Tag** tool .

OR

Right-click the MapTag you want to delete and then click **Delete MapTag**.

- To delete several MapTags, hold down the SHIFT key on your keyboard while clicking the desired MapTags, and then click the **Delete Tag** tool.

Note: When deleting multiple MapTags, the MapTags are immediately deleted; there is no confirmation message.

- To delete all MapTags, click the **Delete Tag** tool  (without choosing the Select tool). A message box displays "Delete all MapTags?" Click **OK** to confirm deletion. Click **Cancel** to retain all MapTags.

Using Advanced Search

The Advanced search capability in Street Atlas USA 2005 allows you to perform more detailed searches by controlling *what* you are looking for via the Find field and *where* you are looking for it via the Within field.

- The fields available for selection under Within vary based on your Find selection.
- The fill-in fields (located in the center of the tab) vary based on both your Find and Within selections.

You can also search for more types of items than you can in QuickSearch, such as street intersection, category, and area code and exchange.

To Use Advanced Search

Follow the steps below to use the advanced search function.

1. Click the **Find** tab and then click **Advanced**.

Note: This screen displays automatically if you performed an unsuccessful QuickSearch. The search feature makes its best guess about the type of search you are attempting and your search words display in the appropriate text boxes.

2. From the Find drop-down list, select the desired Find type from the list.

- **Name**

Use Name to locate a city, town, landmark, object label, and so forth. The closest match is displayed first in the Results list.

- **Street Address**

Use Street Address to locate by street name, highway number, and so forth. Accepts standard abbreviations such as Rd (Road), St (Street or Saint), Mt (Mount), Dr (Drive), and Ct (Court). The closest match is displayed first in the Results list.

- **Street Intersection**

Use this search to locate the intersection of two specified roads. The closest match is displayed first in the Results list.

- **ZIP Code(s)**

Use at least a partial ZIP Code to locate the covered regions. The results are displayed in a browse list. This means you are taken into the ZIP Code database at the closest matching, valid ZIP Code. You can browse through results in either direction to the first (or last) item in the database.
 - **Name and Category**

Searches for a specific name in a specific category. For example, if you want to find a particular restaurant in your town, you would type **restaurant** in the Keywords text box, type the name of the restaurant in the Name text box, and then type your location information in the available text boxes.

Note: Category keywords must be at least three characters in length.
 - **Category**

Searches for a category of items within the specified area.

Notes:

 - In all category searches, the Keywords field is optional. If the Keywords field is left blank, all objects in the selected Within area display in the Results list.
 - Category keywords must be at least three characters in length.
 - **Area Code and Exchange**

There are no Within options for Area Code and Exchange search. Use at least a partial Area Code and Exchange to locate the covered regions. (This is not an individual phone search.) The results are displayed in a browse list. This means you are taken into the Area Code database at the closest matching, valid Area Code. You can browse through results in either direction to the first (or last) item in the database.
 - **Latitude/Longitude**

A single result is returned using a latitude/longitude coordinate search. There are no Within options. Coordinates must be in one of the many formats recognized by the program.
3. From the **Within** drop-down list, select the desired Within field. Available choices are based on what you selected as your Find type.
- **World**

Searches for the specified major name within the United States and Canada. Type the name in the Name text box, select a state (if applicable) from the State drop-down list, and select a country from the Country drop-down list. Results are listed alphabetically and browsing is available. The World field can also be used for ZIP Code(s) searches.
 - **City or County**

Searches for the specified name within the ZIP Codes associated with the city/county and state specified in the text boxes.
 - **ZIP Code**

Searches for the specified name within a ZIP Code. Displays a ZIP Code text field. A search for a ZIP+4 Code is treated the same as a five-digit ZIP Code.
 - **Current Map City**

Searches for the specified name, within the boundaries of all ZIP Codes associated with the city at the current map center.
 - **Current Map Rectangle**

Searches for the specified location within the currently visible map area.

- **Distance from Map Center**

Performs a search in all directions from the center of the map using the specified distance. Also called a radius search. The minimum distance which can be used is 50 feet; the maximum distance is 100 miles.

- **Current Route**

Searches for objects within the specified distance from your calculated route. The minimum distance which can be used is 500 feet; the maximum distance is 10 miles. Results are listed in the sequence they occur along the route, from start point to finish point.

Note: This search may take longer than other types of searches.

4. Type information in the text boxes to the right of the Find and Within fields. The text boxes available are based on the selected Find and Within fields.

Tip: A few text boxes are optional and you may get more results by leaving them blank. To see if a text box is optional, hold your cursor over the text box label or down arrow and read the ToolTip for that text box.

5. Click **Search** or press the ENTER key on your keyboard. The Results list displays your search results with closest match items at the top of the list.
6. Scroll (or browse) through the list of search results for your search until you find the one you want to locate. To center an item on the map, select it and then click **Go To** or double-click it. A yellow MapTag displays at the location if the MapTags check box is selected.

Tip: Single click an item in the results list if you want to highlight it on the map without adding a MapTag or centering it in the map view. For more information on viewing results, see *Tips on Viewing Find Results* on page 45



Street Atlas USA 2005 keeps a history of your search words during a session. If you want to delete your Advanced search history, click the QuickSearch subtab and select **Clear History** from the Search For drop-down list. Then, click **Yes** to delete the search history in both the QuickSearch and Advanced subtabs.

Keywords for Category Searches

Street Atlas USA 2005 recognizes hundreds of English words to generate both general and specific searches using category keywords.

Keyword Samples

The list below are categories which expand to reveal sample keywords. Sample keywords may be listed in more than one category for your convenience.

Boundaries, Map, and Surveying

Border
Boundary
Contour
Crosshair
Grid
Line
Point
ZIP Code

Buildings and Structures

Airport
Bridge
Business
Landmark
Library

Education and Cultural

College
Local Park
Park
School
State Park
University

Natural Features

Beach
Canyon
Crater
Desert
Forest
Glacier
Hill
Island
Mountain
River
Stream
Valley
Water

Miscellaneous

Cemetery
Hiking
Mine
Note
Park

Object Types

All of the stock draw symbols (such as blue map pin, red flag, canoe, etc.)
Draw symbols

Roads and Trails

Bridge
Ferry
Foot Trail
Highway
Hiking
Interstate
One Way
Railroad
Road
Street
Trail
Tunnel

Travel Amenities

Airport
Landmark
Rest Area

Notes on Category Searches


The following list provides notes you may find helpful for performing category searches.

- Category keyword searches must be at least three characters in length.
- The Keywords field is optional in all Category searches and if left blank, all objects in the Within area display in the Results list.
- Keywords are not case-sensitive. Using all capital letters or no capital letters does not affect the search.
- Some generic keywords (water, for example) match many categories and display a dialog box with specific categories. Select or clear these categories, depending on what you want to locate.
- In the Keyword Category Samples below, some keywords are used together. This narrows the search. The following two examples provide information on how results may differ using words together and separately:
 - Example 1—Using **Local Road** provides six category results, such as Ferry Crossing **Local Road**, **Local** or Rural **Road** (four separate categories), and Railroad **Local** Line.
 - Example 2—Using **Road** provides over 100 results from more categories.
- Partial words are recognized when performing a search.
- Keywords can be used in any order. You get the same results using **Local Road** as for **Road Local**.
- A keyword may find categories related to the word rather than including the word. For example, a keyword such as **Refrigerator** might find the category **Appliances**.
Note: This search may not be valid for this product, but serves as an example.
- Use the word "or" in the Keywords text box to search for multiple categories. For example, type **American or Italian** to search for either type of restaurant.

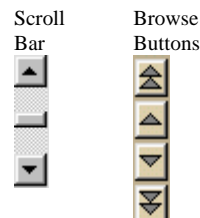
Tips on Viewing Find Results

The Results list displays your results in the QuickSearch or Advanced dialog area after performing a successful search in the Find tab.

The following list provides tips on viewing results.

- To make it easier to view a long list of search results, click the Increase to Maximum Height button  in the upper-right corner of the tab area.
- To sort results by another column, click the desired column header. An asterisk (*) identifies the sort column. Click a second time to reverse the sort order.
Note: This feature is not available when in browse mode (see last item in this list).
- To copy the information for the selected item(s), press CTRL+C on your keyboard. You can then paste the text into another program, such as a word processing program.
- Right-click an item in the results list. A shortcut menu displays the following items:
 - Copy to Clipboard—Copies the detailed information for the selected item(s) and is available for pasting into another program.
 - Go To—Centers the map on the selected item.
 - Select All—Selects all items in the list and highlights them on the map (up to 350). The Go To button name switches to Add Tags. Click **Add Tags** to add MapTags to all selected items. Or, if you right-click again (with all items selected), you can select Copy to Clipboard or Add (to add a MapTag, MapNote, or Detailed MapNote).
 - Add—Select to add a MapNote or Detailed MapNote to the selected item(s).
 - Route—Places a start, stop, or finish point at that location on the map (based on your selection). The location is then listed in the Start text box, Stop text box, or Finish text box in the Route tab.
- To locate an item on the map without moving the map, single click an item in the results list. It is highlighted on the map, as long as it is in the current map view. This is especially helpful when you are at the data zoom level you want but point labels are not displaying.
Notes:
 - Panning the map or clicking another tab removes the highlights.
 - To select multiple items, press and hold the CTRL key while clicking the desired items (up to 350) in the results list. If the items are listed continuously, click the first item in the list and then press and hold the SHIFT key while clicking the last item you want.

- Column widths can be adjusted. The new size is retained until changed again. The column order cannot be rearranged. Different search types result in different column orders.
- There are two types of results lists:
 - Most searches provide a fixed number of results. If all of the results do not fit in the screen area, a scroll bar automatically displays.
 - Name in ZIP Code searches, Name in World searches, and Area Code/Exchange searches provide results you can browse. This means the entire (appropriate) database displays with the best match highlighted. It is possible to continue browsing to the first (or last) item in the database.



Finding Points of Interest (POIs) Near Your Current Location


The Find tab's GPS Radar subtab allows you to search for points of interest (such as gas stations, restaurants, accommodations, etc.) near your current location (if tracking with a GPS) or near the center of the map. You can even hear the nearest search result by enabling the speech button. Once you have found the desired point of interest, you can use the GPS Radar subtab to recenter the map on the route to that point of interest and get directions to that POI.



- A GPS Radar search finds items that are the shortest driving distance from your current location (within just a few miles). Unless you select the **Only in Direction of Travel** check box, some of the search results may be behind you. Since the actual route is calculated, the fastest destination for you to drive to is listed first. If you are on a one-way road or freeway, GPS Radar takes into account the fact that you need to drive further to get off at an exit. You can click each item in the result list to see each option, to highlight the route to each destination, and to see a description of each one as well as driving directions. This should help you choose the best one for your needs.
- The time required for a GPS Radar search varies by the distance, density of objects in the area, the categories chosen, and whether you are searching only in the direction of travel. You can interrupt a GPS Radar search to see a listing of the nearby POIs, but driving directions will not be provided.

To Find POIs Near Your Location

Use the following steps to find POIs near your locations.

1. Click the **Find** tab. The Find dialog area displays.
2. If you are not tracking with a GPS, type a specified location in the Search For text box and click **Search**.
3. Click the **GPS Radar** subtab. The GPS Radar dialog area displays.
4. Under Search For, select the point of interest you want to locate within the specified area.
Note: If you select Custom, you will be asked to enter keywords for the category you are searching for. You can perform a specific keyword search (such as bowling or hospital) or a broad keyword search (such as businesses, schools, religious institutions, government facilities, military bases, airports, parks, and rest areas).
5. Select the **Only in Direction of Travel** check box if you do not want GPS Radar to search for points of interest that are outside of your direction of travel (for example, points of interest that are behind you).
6. Verify the speech icon  is enabled if you want to hear the nearest search result.
7. If you want to repeat your search after a designated amount of time, select the **Repeat Search Every** check box and then select a number for the minute(s) you want Street Atlas USA 2005 to repeat the search automatically.
8. Select a distance (in miles) from the Search Area scroll list to limit your search to a certain driving distance from your current location.
9. Click **Search**. The search results display in the list box to the right of the Search button.
10. Click a search result to select it. A yellow, highlighted line displays on the map between your current/specified location and the point of interest's location.
Note: Click **Recenter** to recenter the map on the selected POI route. Click **Insert Stop** to insert the selected search result into your current route.

11. Select **Info** to view the point of interest's name, category, phone number, and distance from the current location.
OR
Select **Directions** to view directions to the selected point of interest from your current/specified location.


Print

Print Overview

Street Atlas USA 2005 lets you perform the following functions:

- Print single and multi-page maps.
- Print your route and/or route directions.
- Save your map as a bitmap or JPEG image.
- Save your route directions as a text file.
- Copy a map to the clipboard.
- E-mail the print area and/or route directions to a friend.



- You can print maps from Street Atlas USA 2005 through any Windows-compatible printer driver. Strange characters or incomplete output are usually the result of an incompatible, outdated, or improperly configured printer driver. There are also differences between black-and-white and color printers.
- Before printing, click the **Print** tab to open the Print dialog area and then click the Setup button . If the options are available, set the graphics mode to use raster graphics and set TrueType fonts to print as graphics. Consult your printer manual for additional information.
- Printouts from Street Atlas USA 2005 contain complex graphic images and it may take several minutes to print each page. After clicking **Print**, the program gives you the option to cancel while it is processing the map area.

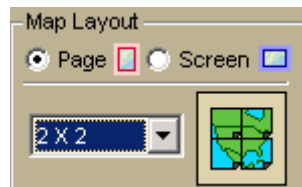
Printing a Map

Street Atlas USA 2005 lets you print a map based on your paper size or screen size. If you choose to print a map based your paper size, you can also print a multipage map which can be assembled using the *Manually Assembling a Multipage Map* instructions on page 52.

To Print a Map

Use the following steps to print a map.


1. Locate the area you want to print.
2. Click the **Print** tab. The Print dialog area displays.
3. Click **Map**. The Map dialog area displays.
4. Under Map Layout, select **Page** (the map print area is based on the paper size you have specified in the Setup options) or **Screen** (the map print area is based on the screen size).
The print area for a Page map displays as a red box on the map (may not be visible) and the overview map and the print area for a Screen map displays as a blue box on the overview map.
5. If you selected **Screen** in step 4, proceed to step 6. If you selected **Page** in step 4, the following options are available.
 - a. Under Map Layout, select a layout option (Single, 2 x 2, or 3 x 3) from the available drop-down list. The print area displays on both the Map and the Overview Map. In the example below, 2 x 2 is selected. This means the print area encompasses four standard pages at whatever paper size you specified in the Setup options.



- b. Optional: If you selected 2 x 2 or 3 x 3 in step 5a (and do not want to print all the pages in the multipage map) on the Map Layout graphic itself, click the page(s) you do not want to print. The page appears dimmed or gray.

Note: In the example below, page 4 will not print for the 2 x 2 map.



- c. Optional: Verify this is the location and zoom level you want to print. If not, pan the map to the desired location and zoom to the desired level.
- d. Optional: If you want to use other tabs and functions but not lose your current print area or other settings, select the **Lock Print Center** check box. Selecting this check box locks the print area and changes the tab label to red.
- e. Optional: Select the **Print Preview** check box to zoom the map and view the entire print area. Clear the check box to return to your previous data zoom level.
6. Optional: If you are printing a single-page map, you can add a title to your map by selecting the Map Title check box and clicking **Map Title** to assign the title's text, font, and alignment.
7. To change printers or make choices for paper orientation, paper size, and paper source, click the Setup button . The Print Setup dialog displays.
Note: From the Setup dialog box, click **Properties** to view additional options. If the options are available, set the graphics mode to use raster graphics and set TrueType fonts to print as graphics. Consult your printer manual for additional information.
8. Click **Print** to print your map.

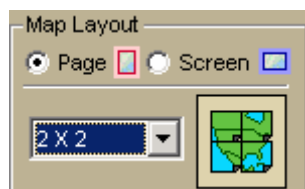
E-mailing Your Print Area

Once you've determined the map you want to print, you can e-mail it as a .jpg file using the e-mail button in the Print tab. Multipage maps are saved as individual .jpg files using an incremental page number at the end of the file name.

To E-mail Your Print Area


Use the following steps to e-mail your map print area.

1. Locate the area you want to e-mail.
2. Click the **Print** tab. The Print dialog area displays.
3. Click **Map**. The Map dialog area displays.
4. Under Map Layout, select **Page** (the map print area is based on the paper size you have specified in the Setup options) or **Screen** (the map print area is based on the screen size).
 The print area for a Page map displays as a red box on the overview map and the print area for a Screen map displays as a blue box on the overview map.
5. If you selected **Screen** in step 4, proceed to step 6. If you selected **Page** in step 4, the following options are available.
 - a. Under Map Layout, select a layout option (Single, 2 x 2, or 3 x 3) from the available drop-down list. The e-mail area displays on both the Map and the Overview Map. In the example below, 2 x 2 is selected. This means the print area encompasses four standard pages at whatever paper size you specified in the Setup options.



- b. Optional: If you selected 2 x 2 or 3 x 3 in step 5a (and do not want to print all the pages in the multipage map) on the Map Layout graphic itself, click the page(s) you do not want to print. The page appears dimmed or gray.
Note: In the example below, page 4 will not print for the 2 x 2 map.



- c. Optional: Verify this is the location and zoom level you want to e-mail. If not, pan the map to the desired location and zoom to the desired level.
- d. Optional: If you want to use other tabs and functions but not lose your current print area or other settings, select the **Lock Print Center** check box. Selecting this check box locks the print area and changes the tab label to red.
- e. Optional: Select the **Print Preview** check box to zoom the map and view the entire e-mail print area. Clear the check box to return to your previous data zoom level.
6. Optional: If you are e-mailing a single-page map, you can add a title to your map by selecting the Map Title check box and clicking **Map Title** to assign the title's text, font, and alignment.
7. Click the e-mail button . Your e-mail application launches with the map(s) as a .jpg file attachment(s).
8. Send the message according to the protocol of your e-mail application.

Saving a Map as a Bitmap or JPEG Image

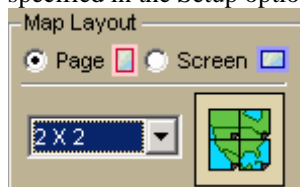
You can save the current map view as a bitmap (.bmp) or JPEG (.jpg) image in all page layout formats: Single, 2 x 2, and 3 x 3. If a multipage format is selected, all the active pages are saved as individual bitmaps/JPEGs using the specified file name with an incremental (page) number at the end of the name.

Click **Cancel** to stop the file save at any time.

To Save a Map as a Bitmap or JPEG

This process is very similar to printing a map. Use the following steps to save a map as a bitmap or JPEG image.

1. Locate the area you want to save as a bitmap image.
2. Click the **Print** tab. The Print dialog area displays.
3. Click **Map**. The Map dialog area displays.
4. Under Map Layout, select **Page** (the map print area is based on the paper size you have specified in the Setup options) or **Screen** (the map print area is based on the screen size).
The print area for a Page map displays as a red box on the overview map and the print area for a Screen map displays as a blue box on the overview map.
5. If you selected **Page** in step 4, the following options are available.
 - a. Under Map Layout, select a layout option (Single, 2 x 2, or 3 x 3) from the available drop-down list. The print area displays on both the Map and the Overview Map. In the example below, 2 x 2 is selected. This means the print area encompasses four standard pages at whatever paper size you specified in the Setup options.




Note: Multipage maps can be manually assembled into one large map. For more information, see *Manually Assembling a Multipage Map* on page 52.

- b. Optional: If you selected 2 x 2 or 3 x 3 in step 5a (and do not want to save all the pages in the multipage map) on the Map Layout graphic itself, click the page(s) you do not want to save. The page appears dimmed or gray.


Note: In the example below, page 4 will not print for the 2 x 2 map.



- c. Optional: Verify this is the location and zoom level you want to save. If not, pan the map to the desired location and zoom to the desired level.

- d. Optional: If you want to use other tabs and functions but not lose your current print area, print photo zoom, or other settings, select the **Lock Print Center** check box. Selecting this check box locks the print area and changes the tab label to red.
 - e. Optional: Select the **Print Preview** check box to zoom the map and view the entire print area. Clear the check box to return to your previous data zoom level.
6. Optional: If you are printing a single-page map, you can add a title to your map by selecting the Map Title check box and clicking **Map Title** to assign the title's text, font, and alignment.
7. Click the save button . The Save 2D Map Image dialog box displays.
Note: To cancel saving the file and return to the Print Map dialog area, click **Cancel**.
8. Type the desired file name in the File Name text box, select to save the file as a .bmp or .jpg from the Save as Type drop-down list, assign a DPI (dots per inch) value (optional), and click **Save**. The map is saved.

Copying Your Map to the Clipboard

Click the copy to clipboard button  to copy your map to the clipboard so that you can paste it into a graphics program such as Microsoft® Paint or Adobe® Photoshop.

Manually Assembling a Multipage Map

After you have printed the sheets for your multipage map, you are ready to assemble the map. Before you begin, be sure you have a clear work surface large enough to accommodate the final map size. You will need the following tools to assemble your map:

- Pencil
- Razor knife
- Straight Edge Ruler (longer than the edge of the longest sheet)
- Permanent Tape ("invisible" or "magic" type)
- Removable Tape

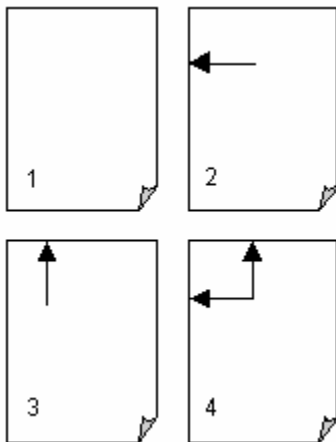
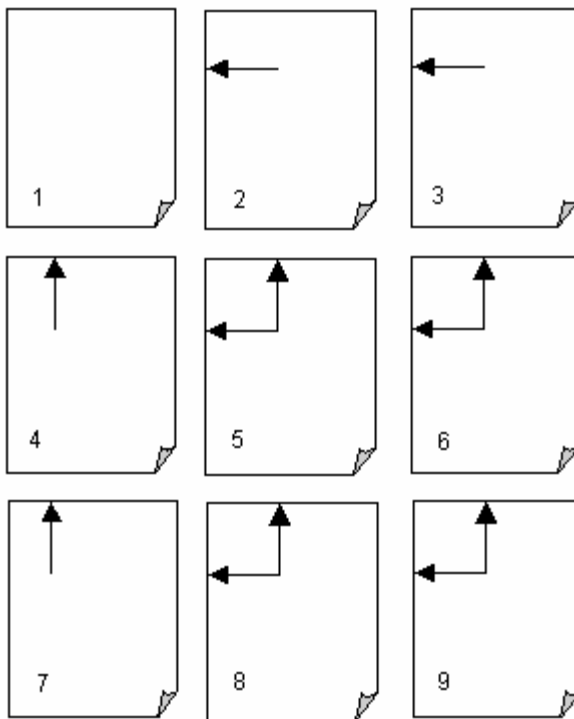
For convenience, you can use the DeLorme MapPack to display and store your map pages. The MapPack holder is available separately from DeLorme.

To Manually Assemble a Multipage Map

Use the following steps to manually assemble a multipage map.

1. Using the straight edge ruler and razor knife, trim each sheet to the thin black line bordering the map.
Note: For adjacent sheets, trim only one page. This makes piecing the sheets together easier.
2. For each sheet that needs to be trimmed, mark the edges of the sheet to indicate the areas that need to be trimmed.

The following diagrams of a 2 x 2 and 3 x 3 multipage map provide additional information on where to trim the sheets. The arrows indicate the edges to be trimmed.

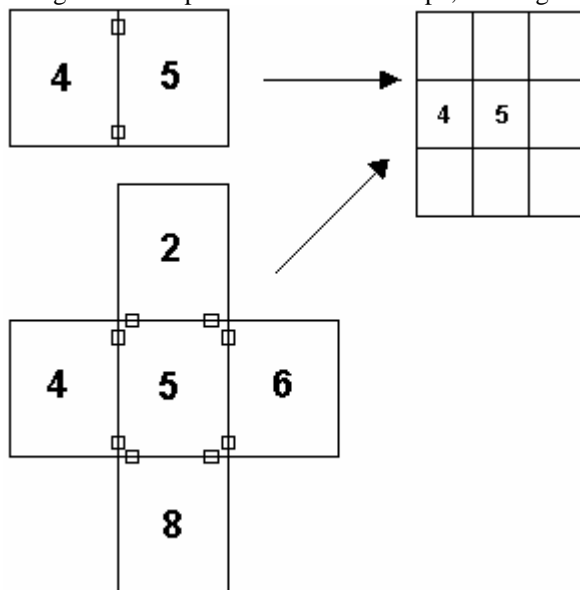
2 x 2 Multipage Map**3 x 3 Multipage Map**

3. Align two adjacent sheets, placing the trimmed edge on top of the non-trimmed edge.

Notes:

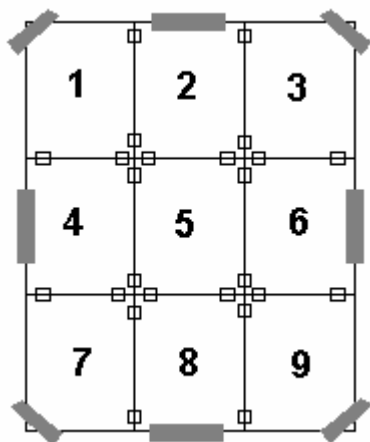
- Piece together the multipage map one seam at a time. This is especially important for a 3 x 3 multipage map.
- Build the multipage map from the inside out to minimize any misalignment.

4. Using two small pieces of removable tape, tack together the aligned sheets.



Note: This is a temporary measure. Steps 6 through 10 describe how to completely secure the sheets.

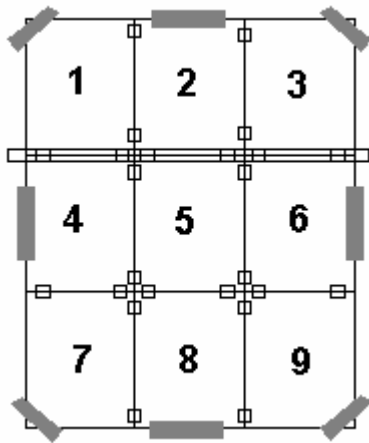
5. Repeat steps 3 and 4 until all the sheets are pieced together.
6. With the multipage temporarily pieced together, use small pieces of removable tape to secure the corners and edges of the multipage map.



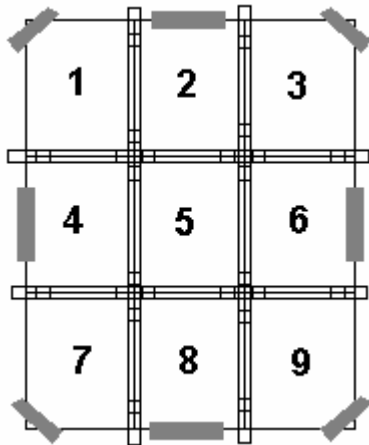
Note: Place the removable tape on the corners and edges, not along the seams.

7. For each seam, fix the tape to the work surface (not on the sheet) so the tape is in alignment with the seam.
8. Spool off enough permanent tape to cover the entire seam. Be careful not to let the tape touch the map until you are ready to apply it (in step 9).

9. Keeping the length of the tape taut, carefully apply the tape to the seam until both sides are fixed to the work surface.



10. Press the tape along the seam to remove any air gaps.
11. Repeat steps 6 through 10 until all seams are completely pieced together.



12. Using the straight edge ruler, carefully trim the edges of the map at the seams (where the tape is affixed to the workspace).
13. Peel off the removable tape at the corners and the edges. You are now ready to display your multipage map.


Printing a Route and Directions

Street Atlas USA 2005 gives you the ability to print maps of your route and/or route directions.

Additionally, you can save your directions or along the way results in a text file. For more information, see *Saving Route Directions as Text* on page 56.

To Print a Route

Use the following steps to print an existing route.

1. Click the **Print** tab and then click **Route**.
Note: If you do not have a route in this Map File, the print route options are unavailable.
2. Click the Setup button  to open the Print Setup dialog box and select a printer, change printer properties, select paper size, and select paper orientation. Click **OK** when finished.
Note: If the options are available under Printer Properties, set the graphics mode to use raster graphics and set TrueType fonts to print as graphics.
3. Under Options, select from one of the following choices:
 - **Overview**—Provides an optimized map of your route and the route summary (trip distance, trip time, start, total stops, and finish).

- **Travel Package**—Provides maps of the route with corresponding directions.
 - **Turn Details**—Prints 2" x 2" maps of each of the turns in your route directions.
 - **Directions**—Provides action-based directions (turn, merge, bear, depart, arrive, and continue) including the time frame for each action.
Note: Route directions can be saved as a text file.
 - **Along the Way**—Prints the search results of a previous Advanced Find search within a current route. The search results are listed as they are listed in the Find results.
Note: The Along the Way option is only available if you have recently performed a find/category within current route search in the Advanced Find subtab.
 - **Strip Maps**—Provides detailed maps in the direction of travel of the route along with directions which appear in the map margin. Strip maps are not printed North Up like other printed maps. They are printed so that the direction of travel is always at the top of the printed map.
4. If you selected Travel Package or Strip Maps in step 4, select the miles per page that you want your route to cover from the Miles Per Page drop-down list.
Note: When setting the number of miles per page, keep in mind that the number of miles is not the distance of the route. Instead, it equals the width of the strip map and determines the scale of the map.
 5. Optional: To view a preview of your selection, click **View**.
 6. Click **Print**.


Saving Route Directions as Text

Street Atlas USA 2005 lets you save your directions and along the way results as a text file.

To Save Your Route Directions

This process is very similar to printing your route and directions.

Use the following steps to save your directions.


1. Click the **Print** tab and then click **Route**.
Note: If you do not have a route in this Map File, the print route options are unavailable.
2. Under Options, select **Directions** or **Along the Way**. The number for Total Pages updates.
3. Click the save button .
4. In the File Name text box, rename the .txt file by typing the desired name and then click **Save**.
Note: Click **Cancel** to return to the Print Route dialog area without saving the file.

E-mailing Your Route Directions

You can e-mail your route directions or along the way results as a text file using the e-mail button in the Route subtab of the Print tab.

To E-mail Your Route Directions

Use the following steps to e-mail your route directions or along the way results.

1. Create a Route.
2. Click the **Print** tab. The Print dialog area displays.
3. Click the **Route** subtab.
4. Select the **Directions** or **Along the Way** check box.
5. Click the e-mail button . Your e-mail application launches with the along the way results or route directions as a text file attachment.
6. Send the message according to the protocol of your e-mail application.

Map Files

Map Files Overview

Street Atlas USA 2005 lets you save all of the work that you have done as a single Map File so you can open it again later. You can create various map views and save each in a different Map File, if desired. In this way, you can save separate views of often-viewed areas at your preferred zoom level and other settings. Then, open them as you need them using the Map File file tab.

What is a Map File?

A Map File consists of the map center coordinates, the current zoom level, the current magnification, preferences, and the route or draw layer (if applicable) it contains.

When you create a route or add a draw object to the map, they are added to the currently selected Map File. Map Files are saved by default in *C:\DeLorme Docs\Map Files*. Street Atlas USA 2005 lets you save one route layer and one draw layer in a single Map File.

What is Exchange?

If you click **Exchange**, the Exchange wizard displays. The Exchange wizard allows you to exchange the selected data file with a GPS device or Palm OS/Pocket PC handheld computer.

Note: You can also launch the Exchange wizard using the Exchange button on the GPS tab.


Creating and Deleting Map Files


With Street Atlas USA 2005, you can create various map views and save each in a different Map File, if desired.

To Create a New Map File

Use the following steps to create a new Map File.

1. Click the **Map Files** tab to open the Map Files dialog area.
 2. Click **File** and then click **New**.
- OR

Click the new file button .

3. Click the save button . Map Files have .saf extensions and are saved in the *C:\DeLorme Docs\Map Files* directory by default.
- OR

Click **File** and then click **Save As** to give the Map File a name other than the default.

To Delete a Map File

Use the following steps to delete a Map File.

1. Using Windows Explorer, browse to the directory location where the Map File is saved.
2. Select the desired file.
3. From the File menu, click **Delete**.
4. Click **Yes** at the Delete File confirmation message.

Opening a Map File

With Street Atlas USA 2005, you can create various map views and save each in a different Map File, if desired.

To Open a Map File

Use the following steps to open a Map File.

1. Click the **Map Files** tab.
2. Click **File**.
3. Click **Open** or click the open button . Click the Map File to select it and then click **Open**. The last saved map view for that Map File displays.
OR
Click **Recent Files** to view a list of the most recently saved Map Files.

Sending a Handheld Map to a Pocket PC Device

You can send maps you have cut using the Handheld Export tab to your Pocket PC device using the Exchange Wizard in Street Atlas USA® 2005.

To Send a Handheld Map

Use the following steps to send a handheld map to a Pocket PC device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **Handheld Map** from the Object Type drop-down list.
5. Click **Next**.
6. Under Source, select the map you want to send to your handheld device from the Handheld Map drop-down list. All of the maps saved in the specified location display in the list.
Note: If you want to view maps saved in an alternate location, click the browse button and browse to the desired location. Then, select the desired map from the Handheld Map drop-down list.
7. Click **Prepare for Sync**. A confirmation displays. Click **OK** to return to the Exchange Wizard.
8. Repeat steps 6–7 for each map you want to send.
9. Click **Finish**. The exported map is available on your handheld device after your next synchronization operation.

Sending Route Information to Your Pocket PC Device

Using the Exchange Wizard in Street Atlas USA® 2005, you can send route points or route directions to your Pocket PC device.

To Send Route Points

Use the following steps to send route points to your Pocket PC device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **Route Points** from the Object Type drop-down list.
5. Click **Next**.
6. Click **Prepare for Sync**.
7. Click **Finish**. The route points are available on your handheld device after your next synchronization operation.

To Send Route Directions

Use the following steps to send route directions to your Pocket PC device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **Route Directions** from the Object Type drop-down list.
5. Click **Next**.
6. Click **Prepare for Sync**.
7. Click **Finish**. The route directions are available on your handheld device after your next synchronization operation.

Sending Draw Points to Your Pocket PC Device

You can send draw points to your Pocket PC device using the Exchange Wizard in Street Atlas USA® 2005.

To Send Draw Points

Use the following steps to send draw points to your Pocket PC device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **Draw Points** from the Object Type drop-down list.
5. Click **Next**.
6. Click **Prepare for Sync**.
7. Click **Finish**. The draw points are available on your handheld device after your next synchronization operation.

Sending a GPS Log to Your Pocket PC Device

You can send GPS logs you have created using Street Atlas USA® 2005 to your Pocket PC device using the Exchange Wizard.

To Send a GPS Log

Use the following steps to send a GPS log to a Pocket PC device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **GPS Log** from the Object Type drop-down list.
5. Click **Next**.
6. Under Source, select the GPS log you want to send to your handheld device from the GPS Log drop-down list. All of the logs saved in the specified location display in the list.
Note: If you want to view logs saved in an alternate location, click the browse button and browse to the desired location. Then, select the desired log from the GPS Log drop-down list.
7. Click **Prepare for Sync**. A confirmation displays. Click **OK** to return to the Exchange Wizard.
8. Repeat steps 6–7 for each GPS log you want to send.
9. Click **Finish**. The GPS log is available on your handheld device after your next synchronization operation.

Sending Waypoints to Your Pocket PC Device

You can send waypoints to your Pocket PC device using the Exchange Wizard in Street Atlas USA® 2005.

To Send Waypoints

Use the following steps to send waypoints to your Pocket PC device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Pocket PC**.
3. Select **Send to Device**.
4. Select **User Map Data - Waypoints** from the Object Type drop-down list.
5. Click **Next**.
6. Click **Prepare for Sync**.
7. Click **Finish**. The waypoints are available on your handheld device after your next synchronization operation.

Receiving a Route From Your Pocket PC Device

You can receive a route created on your Pocket PC device using the Exchange Wizard. Once imported, the file can be used in Street Atlas USA 2005.

To Receive a Route From Your Pocket PC Device

Use the following steps to receive a route from your Pocket PC device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Pocket PC**.
3. Select **Receive from Device**.
4. Select **Route** from the Object Type drop-down list.
5. Select **Route** from the Save As drop-down list to save your route as a route file.
6. Click **Next**.
7. Select the route file on the device that you want to receive.
8. Optional: Type the new route name in the available text box.
9. Click **Receive From Device**.
10. Repeats steps 7–9 for each route file you want to receive.
11. Click **Finish**. The route information displays in Street Atlas USA 2005.

Receiving Waypoints From Your Pocket PC Device

You can receive waypoints created on your Pocket PC receiver using the Exchange Wizard. Once imported, the file can be used in Street Atlas USA® 2005.

To Receive Waypoints From Your Pocket PC Device

Use the following steps to receive waypoints from your Pocket PC device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Pocket PC**.
3. Select **Receive from Device**.
4. Select **Waypoints** from the Object Type drop-down list.
5. From the Save As drop-down list, select to save the waypoints as a **Draw Data** or **User Map Data - Waypoints**.
6. Click **Next**.
7. Click **Receive From Device**.
8. Click **Finish**. The waypoint information displays in Street Atlas USA 2005.

Receiving a GPS Log From Your Pocket PC Device

You can receive GPS logs created on your Pocket PC device using the Exchange Wizard. Once imported, the file can be used in Street Atlas USA® 2005.

To Receive GPS Logs From Your Pocket PC Device

Use the following steps to receive GPS logs from your Pocket PC device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Pocket PC**.
3. Select **Receive from Device**.
4. Select **GPS Logs** from the Object Type drop-down list.
5. Click **Next**.
6. Select the GPS log you want to receive from the GPS Log drop-down list.
7. Click **Receive From Device**.
8. Repeats steps 6–7 for each GPS log file you want to receive.
9. Click **Finish**.

Sending a Handheld Map to a Palm OS® Device

You can send maps you have cut using the Handheld Export tab to your Palm OS device using the Exchange Wizard in Street Atlas USA® 2005.

To Send a Handheld Map

Use the following steps to send a handheld map to a Palm OS device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Palm OS**.
3. Select **Send to Device**.
4. Select **Handheld Map** from the Object Type drop-down list.
5. Click **Next**.
6. Under Source, select the map you want to send to your handheld device from the Handheld Map drop-down list. All of the maps saved in the specified location display in the list.
Note: If you want to view maps saved in an alternate location, click the browse button and browse to the desired location. Then, select the desired map from the Handheld Map drop-down list.
7. Select the user you want to send the map to from the User drop-down list.
8. Click **Prepare for Sync**. A confirmation displays. Click **OK** to return to the Exchange Wizard.
9. Repeat steps 6–8 for each map you want to send.
10. Click **Finish**. The exported map is available on your handheld device after your next synchronization operation.

Sending Route Information to Your Palm OS® Device

Using the Exchange Wizard in Street Atlas USA 2005, you can send route points or route directions to your Palm OS device.

To Send Route Points

Use the following steps to send route points to your Palm OS device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Palm OS**.
3. Select **Send to Device**.
4. Select **Route Points** from the Object Type drop-down list.
5. Click **Next**.
6. Click **Prepare for Sync**.
7. Click **Finish**. The route points are available on your handheld device after your next synchronization operation.

To Send Route Directions

Use the following steps to send route directions to your Palm OS device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Palm OS**.
3. Select **Send to Device**.
4. Select **Route Directions** from the Object Type drop-down list.
5. Click **Next**.
6. Select the User Profile the route file will sync to from the User drop-down list.
7. Click **Prepare for Sync**.
8. Click **Finish**. The route directions are available on your handheld device after your next synchronization operation.

Sending Draw Points to Your Palm OS® Device

Using the Exchange Wizard in Street Atlas USA® 2005, you can send draw points to your Palm OS device.

To Send Draw Points

Use the following steps to send draw points to your Palm OS device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Palm OS**.
3. Select **Send to Device**.
4. Select **Draw Points** from the Object Type drop-down list.
5. Click **Next**.
6. Click **Prepare for Sync**.
7. Click **Finish**. The draw points are available on your handheld device after your next synchronization operation.

Sending Waypoints to Your Palm OS® Device

You can send waypoints to your Palm OS device using the Exchange Wizard in Street Atlas USA® 2005.

To Send Waypoints

Use the following steps to send waypoints to your Palm OS device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Palm OS**.
3. Select **Send to Device**.
4. Select **User Map Data - Waypoints** from the Object Type drop-down list.
5. Click **Next**.
6. Click **Prepare for Sync**.
7. Click **Finish**. The waypoints are available on your handheld device after your next synchronization operation.

Receiving a Route From Your Palm OS® Device

You can receive a route created on your Palm OS device using the Exchange Wizard. Once imported, the file can be used in Street Atlas USA® 2005.

To Receive a Route From Your Palm OS Device

Use the following steps to receive a route from your Palm OS device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Palm OS**.

3. Select **Receive from Device**.
4. Select **Route** from the Object Type drop-down list.
5. Select **Route** from the Save As drop-down list to save your route as a route file.
6. Click **Next**.
7. Select the route file on the device that you want to receive.
8. Optional: Type the new route name in the available text box.
9. Click **Receive From Device**.
10. Click **Finish**. The route information displays in Street Atlas USA 2005.

Receiving Waypoints From Your Palm OS® Device

You can receive waypoints created on your Palm OS device using the Exchange Wizard. Once imported, the file can be used in Street Atlas USA® 2005.

To Receive Waypoints From Your Palm OS Device

Use the following steps to receive waypoints from your Palm OS device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Palm OS**.
3. Select **Receive from Device**.
4. Select **Waypoints** from the Object Type drop-down list.
5. From the Save As drop-down list, select to save the waypoints as a **Draw Data** or **User Map Data - Waypoints**.
6. Click **Next**.
7. Click **Receive From Device**.
8. Click **Finish**. The waypoint information displays in Street Atlas USA 2005.

Receiving a GPS Log From Your Palm OS Device

You can receive GPS logs created on your Palm OS device using the Exchange Wizard. Once imported, the file can be used in Street Atlas USA® 2005.

To Receive GPS Logs From Your Palm OS Device













Use the following steps to receive GPS logs from your Palm OS device.

1. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
2. Under Device Type, select **Palm OS**.
3. Select **Receive from Device**.
4. Select **GPS Logs** from the Object Type drop-down list.
5. Click **Next**.
6. Select the GPS log you want to receive from the GPS Log drop-down list.
7. Click **Receive From Device**.
8. Repeats steps 6–7 for each GPS log file you want to receive.
9. Click **Finish**.

Draw

Draw Overview


Street Atlas USA 2005 lets you add draw objects, such as routable roads, waypoints, tracks, text, symbols, MapNotes, lines, arcs, splines, circles, polygons, and rectangles to your map with the tools provided under the Draw tab.

Draw Object	Tool Used	Suggested Use
Routable Roads		Add routable road lines point-by-point to a road layer, then incorporate these roads into a route network when you create a route in the Route tab.
Tracks		Use the Track tool to add tracks to the map. Note: Tracks can be downloaded from a GPS receiver.
Lines		Use lines to mark boundaries or to add railroads or utility lines. Lines can be drawn with varied line styles, weights, and colors including lines which reflect actual map line types.
Arcs		Use arcs to add curved line features to a map file. Arcs can be drawn with varied line styles, weights, and colors, including lines which reflect actual map line types.
Splines		Use splines to add trails or any other map feature which contains curves. Splines can be drawn with varied line colors, weights, and styles including lines which reflect actual map line types.
Polygons		Use polygons to designate water bodies, land boundaries, or any other irregular map feature. Obtain the area of the polygon by adding a detailed MapNote using the right-click function.
Rectangles		Use rectangles to designate land boundaries or any other rectangular map feature. Obtain the area of the rectangle by adding a detailed MapNote using the right-click function.
Circles		Use circles to designate circular map features. Obtain the area of the circle by adding a detailed MapNote using the right-click function.
Waypoints		Use the waypoints tool to label waypoints on a map. Waypoints can be uploaded to a GPS receiver or downloaded from a GPS receiver.
Symbols		Use symbols to identify certain areas on the map such as houses, monuments, or points of interest.
MapNotes		Use MapNotes to point to and label a specific area on the map.
Text Labels		Use text labels to name features or give details about features on the map. Note: Text labels do not offer border or fill colors. To make your object name more noticeable, change the font size or font color.

Hidden Draw Tools

The Draw tab provides tools which allow you to add routable roads, waypoints, lines (straight lines, arcs, and splines), shapes (polygons, rectangles, and circles), MapNotes, text labels, and symbols to a draw file. Some of these tools exist as hidden tools available in pull-out menus.

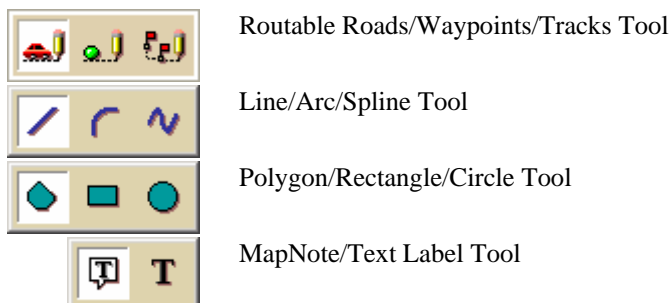
To View the Hidden Draw Tools

Four draw tool options provide pull-out menus with hidden tools. These draw tools each have a small arrow at the bottom-right of the draw tool button as shown in this sample .

Use the following steps to view the hidden draw tools.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold one of the current visible tools below to display and select one of the options.

Note: Selecting a hidden tool from a pull-out menu changes the default option.



Exporting Draw Objects as a Text File

Street Atlas USA 2005 allows you to export a draw object as a text file. Draw objects exported to text files contain coordinate information for each line, area, or point object. These text files can be opened in other DeLorme products.

To Export Draw Objects as a Text File

Use the following steps to export draw objects as a text file.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click **File** and then click **Export**.
3. Browse to a directory in which to save the file or use the default destination *C:\DeLorme Docs\Draw*.
4. Type a name for the file in the File name text box. The default name is DrawExport.
5. Select **Text File** from the Save as Type drop-down list.
6. Click **Save**.

Importing Files as Draw Objects

Street Atlas USA 2005 allows you to import various types of files as draw objects.

If you import this type of file...	Which results from this source...	The following is imported...
Text File (.txt)	Solus® Mark File	Point objects displaying with the current symbol selection.
	Lat/Lon Text File	Point objects and annotation draw objects displaying with the current symbol and line style selections.
Address Book (.txt, .csv)	Address Book File*	Point objects and annotation draw objects displaying with the current symbol and line style selections.
Draw Layer Files	Topo USA® 2.0 (.ano)	Point objects and annotation draw objects displaying with the current symbol and line style selections.
MapDocs (.sa7, .sa8, .sa9, .mn5, .mn6, .mn7)	<ul style="list-style-type: none"> ▪ Street Atlas USA® 7.0, 8.0, and 9.0. ▪ AAA Map'n'Go® 5.0, 6.0, and 7.0 	Point objects and annotation draw objects displaying with the current symbol and line style selections.
GPS Log Files (*.gpl)	Any DeLorme product which supports GPS tracking.	Line object displaying with the current line preferences.

*** Note:** Address book text files must be:

- Comma or tab delimited.
- In the format: name, address, city, state, ZIP, phone.
- Less than 50 records long.

To Import Files

Use the following steps to import a file.

1. Click the **Draw** tab to open the Draw dialog area.

2. Using the chart above, verify the symbol or line style selection. These selections determine how your imported objects display.
3. Click **File** and then click **Import**.
4. Browse to the source folder of the desired file. The default directory is *C:\DeLorme Docs\Draw*.
5. From the Files of type drop-down list, select the type of file you want to import.
6. Select the desired file and then click **Open**. The draw objects of the imported file display. A new file is automatically created for the imported file.
7. Click **Done** to return to the Draw dialog area.

Formatting a Text File to Import as a Draw Object File

Below are the formatting conventions (and examples of each) for creating a text file to be imported as a draw object file.

Draw Object	Format	Example
Line	BEGIN LINE LAT, LON LAT, LON LAT, LON END	BEGIN LINE 43.807801,-70.164440 43.807629,-70.163801 43.807211,-70.162746 43.806707,-70.163400 43.806696,-70.163905 43.807125,-70.164768 43.807801,-70.164440 END
Spline	BEGIN SPLINE LAT, LON LAT, LON LAT, LON LAT, LON END	BEGIN SPLINE 43.807801,-70.164440 43.807629,-70.163801 43.807211,-70.162746 43.806707,-70.163400 43.806696,-70.163905 43.807125,-70.164768 43.807801,-70.164440 END
Arc	BEGIN ARC LAT, LON LAT, LON LAT, LON LAT, LON END	BEGIN ARC 43.807801,-70.164440 43.807704,-70.162775 43.807211,-70.162746 43.807430,-70.163644 END
Polygon Rectangle	BEGIN POLY LAT, LON LAT, LON LAT, LON LAT, LON END	BEGIN POLY 43.808692,-70.165392 43.808692,-70.162493 43.806621,-70.162493 43.806621,-70.165392 43.808692,-70.165392 END
Circle	BEGIN CIRCLE LAT, LON, Radius END	BEGIN CIRCLE 43.807662,-70.163935,0.114611 END
Symbol	BEGIN SYMBOL LAT, LON, Name, Symbol Name END	BEGIN SYMBOL 43.807662,-70.163935,DeLorme, Blue Pin END
MapNote	BEGIN NOTE LAT, LON, Text END	BEGIN NOTE 43.807662,-70.163935,DeLorme END

Draw Object	Format	Example
Text Label	BEGIN TEXT LAT, LON, Text END	BEGIN TEXT 43.807662,-70.163935,DeLorme END

Finding a Symbol by Its Name

Within the Draw tab of Street Atlas USA 2005, you can attach a name to any symbol you add to your map. For more information on adding symbols to the map, see *Symbols: Adding, Editing, and Placing* on page 84.

You can use a name as a means to help locate a symbol you have already placed on a map using the QuickSearch feature under the Find tab in Street Atlas USA 2005. For example, if you name a symbol "My House" in Street Atlas USA 2005 when you placed it on the map, use the following steps for conducting a search on the unique symbol name.

To Find a Symbol by Its Name

Use the following steps to find a symbol by its name.



1. Click the **Find** tab.
2. Using QuickSearch, type the symbol name followed by the town and state abbreviation (for example, **My Office, Yarmouth, ME**) in the Search For text box.
3. Click **Search**. Street Atlas USA 2005 displays the closet matches in the list view to the right of the Search For text box. The symbol name displays in the Name column.
4. Double-click the item or select the item and click **Go To** to locate your selection on the map. The map view recenters on the item. A MapTag displays the symbol name at the symbol location.

Copying and Placing Draw Objects

You can copy any draw object you place on the map.

To Copy Draw Objects

Use the following steps to copy draw objects.

1. Click the **Draw** tab to open the Draw dialog area.
2. To copy a single draw object, click the Select tool  and then click the desired draw object on the map. A box displays around the active object.
OR
To copy multiple draw objects, click the Select tool  and then drag a box over the draw objects you want to copy.
3. To copy, press the CTRL+C keys on your keyboard.
4. To paste, press CTRL+V on your keyboard. The newly copied object is placed directly **on top of** the original (copied) object.
5. To move the copied object, use the table below.

If the draw object is a...	Then...
Line, Arc, Spline, Polygon, Rectangle, Circle, or MapNote	Press and hold the SHIFT key on your keyboard and drag the object to the desired location.
Symbol or Text	Drag the object to the desired location.

Tips:


- To undo the move of the pasted draw object, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.
- If you undo the first move of the pasted object, the object is placed back on top of the original (copied) object.
- You can copy and move a single object by selecting the draw object you want to copy, pressing CTRL on your keyboard, and dragging the draw object to the desired location.

Moving Draw Objects

You can move any draw object you place on the map under Draw from one location to another.

To Move Draw Objects

Use the following steps to move draw objects.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and click the draw object you want to move. A box displays around the active object.

Draw objects are moved in different ways:

If the object is a(n)...	Then...
Routable Road, Track, Line, Arc, Spline, Polygon, Rectangle, or Circle	Press and hold the SHIFT key on the keyboard and drag the object to the desired location. OR Press the arrow keys on your keyboard to move the object up, down, right, or left.
Symbol, or Text	Press the arrow keys on your keyboard to move the object up, down, right, or left. OR Drag it to the desired location.
MapNote	To move the entire MapNote, press and hold the SHIFT key on the keyboard and drag the object to the desired location or position your cursor between the MapNote text and the anchor and drag the entire MapNote to the desired location. OR To move the MapNote's anchor, drag the MapNote's anchor to the desired location. OR To move the MapNote's text, drag the MapNote's text to the desired location.

Tip: To undo a draw object move, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.

Notes: You can also move draw objects or their points by typing a new coordinate or distance and bearing/angle number within the corresponding text boxes.

- Type new coordinates and click **Apply** to move circles, symbols, text, and MapNotes. The whole object moves to the entered location. If you change the distance and bearing numbers, the object moves in relationship to the object's last location.
- Type new coordinates and click **Apply** to move individual end points (small red circles) in line segments in routable roads, lines, splines, polygons, rectangles, and arcs. If you change the distance and bearing numbers of the individual points (not recommended for rectangles), the end point's distance and bearing/angle change in relationship to the start point of the segment.


Deleting Draw Objects

Once you have placed a draw object in a map file, you can delete the object.

To Delete One Draw Object



Use the following steps to delete a draw object.

1. Click the **Draw** tab to open the Draw dialog area.

2. Click the Select tool  and then click the desired draw object on the map to select it. A box displays around the selected object.
3. Click **Delete** in the Draw dialog area.
OR
Press the DELETE key on your keyboard.
OR
Right-click on the object and then click **Manage Draw/Delete Draw Object**.
Tip: To bring back the last draw object you deleted, click **Undo** to undo the last action (you can undo approximately 200 events in a single map file).

To Delete Multiple Draw Objects

Use the following steps to delete several draw objects.

1. Click the **Draw** tab to open the Draw dialog area.
2. To select multiple draw objects, click the Select tool , click the first draw object on the map to select it, and then press and hold the SHIFT key on your keyboard while clicking any additional draw object(s) you want to delete. A box displays around each selected object.
OR
To select multiple draw objects, click the Select tool , drag a box over the draw objects you want to delete.
3. Click the **Delete** button in the Draw dialog area.
OR
Press the DELETE key on your keyboard.
OR
Right-click on the object and then click **Manage Draw/Delete Draw Object**.

To Delete All Draw Objects

To delete all draw objects from an unsaved map file, click **Clear All** in the Draw dialog area. A message box displays asking if you want to clear all draw objects from the current file.

- If you click **Yes**, all draw objects in the file are cleared.
Note: You cannot undo this action.
- If you click **No**, no objects are cleared from the file.


Snapping Draw Objects

You can snap any draw object to the exact coordinates of a point in another draw object. You can also snap the central shape point of an arc to another object.

To turn the snapping feature off, press the ALT key on the keyboard while dragging the draw object.

To Snap a Draw Object to the Coordinates of Another Object

Use the following steps to snap a draw object to the coordinates of another draw object.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and then click the desired draw object on the map. A box displays around the active object. Shape points display as small, magenta squares.
3. Select an end point from any of the line segments within the draw object. It displays as a red or green circle.
4. Drag the point to:
 - Any other shape point within a line, spline, polygon, arc, or rectangle.
 - The center point of a circle.
 - The anchor of a symbol.
 - The base point of a text label.
 - The text box anchor point of a MapNote.

When you drag your shape point over a point on the desired draw object, a yellow diamond defines the snap




point. Release the point you dragged when the snap point displays. The active draw object is then snapped to the other object's point coordinate.

Tip: To undo a draw object snap, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.

Note: Do not snap one end point of an arc to the other end point in the same arc.

To Snap the Central Shape Point of an Arc to Another Object

Use the following steps to snap the central shape point of the arc to another object.


1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and then click the desired arc on the map. A box displays around the active object. Shape points display as small, magenta squares.
3. While pressing the SHIFT key on the keyboard, drag the center point of the arc line over a point on the desired draw object until the snap point (the yellow diamond) displays.
4. Release the arc. It is snapped to the other object's point coordinate.

Adding Points to Draw Objects

You can add points to routable road, line, spline, and polygon draw objects in Street Atlas USA 2005 to change the shape of the object.

To Add Points to Draw Objects

Use the following steps to add points to add points to routable roads, lines, splines, and polygons.

1. In the Draw tab, click the Select tool  and then click the draw object you want to edit. A box displays around the line indicating it is active. The shape points of the draw objects display as small, magenta squares.
2. Click the line between two shape points in the object and drag. A new point is created as well as a new line segment within the object. The new segment displays with its first and last end points, as well as a text box indicating the new point's bearing or angle, length of the new segment (leg), and total object's length on the map.


Tip: To undo the addition of the point to the draw object, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.

Deleting Points and Line Segments from Draw Objects

You can delete points from routable road, track, line, spline, and polygon draw objects in Street Atlas USA 2005 to change the shape of the object.

To Delete Points and Line Segments from Draw Objects

Use the following steps to delete points and line segments from draw objects.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and click the draw object you want to edit. A dotted-line box displays around the line indicating it is active. The shape points of the linear objects display as small, magenta squares.
3. Select the desired shape point. The point displays as either a green or red end point depending upon the line segment it is associated with.
4. Click **Delete** in the Draw display area.

OR

Press the DELETE key on your keyboard. The point is deleted, as well as the line segment within the draw object which was associated with that point.

Tip: To undo the addition of the point to the draw object, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.

Labeling a Draw Object

You can label any draw object created in Street Atlas USA 2005. Once you label a draw object, you can search for it using the QuickSearch function in the Find tab or by typing the draw object label in any of the routing fields in the Route tab.

To Label a Draw Object

See the labeling procedures below for each of the draw objects.

For this Draw Object...	Use this labeling procedure...
Routable Roads	Type the name of the street in the text box available in the Draw dialog area.
Arcs Circles Lines Polygons Rectangles Splines Tracks Waypoints	<ol style="list-style-type: none"> 1. Place the object on the map. 2. Using the select tool, click the draw object once. A gray box displays around the draw object. 3. Click the draw object again. A text box displays. 4. Type the label name in the text box and then press the ENTER key on your keyboard.
MapNotes Symbols Text Labels Waypoints	<ol style="list-style-type: none"> 1. Place the object on the map. The URL/Label text box displays. 2. Type the label for your draw object in the Label section of the text box.



Routable Roads: Drawing, Editing, and Placing

The Routable Roads tool of Street Atlas USA 2005 lets you add a new road to a road layer. Any new roads you add can then be incorporated into a route when you create a route.

- You must be at data zoom level 11-0 or greater when adding roads with the Routable Roads tool.
- Four draw tool options provide pull-out menus with hidden tools.

To Draw Routable Roads

Use the following steps to add routable roads to a road layer.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Routable Roads/Waypoints/Tracks tool to view its hidden options. Select the Routable Roads tool . The mouse pointer displays the line symbol.
3. Type the name of the road you want to add in the Road Name text box.
Note: Name each routable road you add so you can locate it using the find feature.
4. Hover the mouse pointer over existing roads to display the yellow diamond symbol . The yellow diamond symbol indicates where on an existing road the point for your new road will connect (connection point).
Notes:
 - It is necessary for the new road to be connected to an existing non-limited access road for routing on the new road to occur.
 - Each time you intersect an existing road, hover the mouse over the road to display the yellow diamond symbol and click to create a connection point before continuing to draw. If you draw the line over the road without creating a connection point, routing along the intersection cannot occur.
5. Once you have located the connection point for your new road, click the map to place the first point. Click point-to-point or drag to add the new road to the road layer. The road displays as a local road feature. The following information is available as you add each point in your road if the Show Measurement option is selected.
 - The coordinates of each point display in the corresponding text boxes.


- The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.
6. To finish the line draw for the new road, enter the last point on the map screen and click **Done**. The new road displays on the map with the name you typed in the Road Name text box.

Note: You may also finish the line draw by pressing the ENTER key on your keyboard or double-clicking while entering the last point of the line.

If you did not type a name in the Road Name text box before drawing your road, you can label the road at any time. For information on adding or editing the text on a routable road, see To Edit a Routable Road Line below.

To Edit a Routable Road Line

Once you have added a routable road to a road layer, you can edit the shape of the road or the text label on the road. Use the following steps to edit the shape of a routable road.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and then click the routable road line you want to edit.
 - A box displays around the selected line.
 - The shape points used to create the line display as small, magenta squares.
3. Perform any of the following edits to the routable road:
 - Edit any label on the routable road line by selecting the line twice, then typing the label in the text box which displays next to the line.
OR
Select the routable road line and edit the label in the Road Name text box in the Draw tab dialog area.
 - Reshape the line by dragging any of the points in the line to a new location. When you select a shape point of a line segment within an active line:
 - A small green circle indicates the start end point of the selected line segment.
 - A small red circle indicates the last end point of the selected line segment.
 - Select the **Coordinate** or the **Distance and Bearing/Angle** option and edit their numbers. Click **Apply** to initiate the changes.


Notes:

- You can display either bearing or distance by clicking the drop-down arrow next to the Bearing or Angle text located below the distance text in the **Distance and Bearing/Angle** option.
- You can also delete points and line segments from or add points to a line. For more information on points, deleting points and line segments, and adding points, see the following topics:
 - *Deleting Points and Line Segments from Draw Objects* on page 71
 - *Adding Points to Draw Objects* on page 71

4. Click **Done** to finish your edit.
OR
Press the ENTER key on your keyboard.
OR
Click outside the object's active box on the map.

To Place a Routable Road at a Specific Location

You can also place a routable road line at a specific coordinate location. Use the following steps to place your routable road.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Routable Roads/Waypoints/Tracks tool to view its hidden options. Select the Routable Roads tool .

3. Select the **Coordinate** option, or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option, and enter the appropriate coordinates or numbers into the corresponding text boxes to the right of the text style options box.
4. Click **Apply** and repeat the procedure for the second point. The routable road line displays on the map at those coordinates, distance, and bearing or angle.
OR
After placing the first point coordinate, move your pointer to the map screen and place the other points by hand by clicking on the screen.
5. You can then place additional points, lines, or other draw objects on the map in reference to the first line by entering a specific distance and bearing into the corresponding text boxes and clicking **Apply**.


Editing a Track

Once you have downloaded a track from a GPS receiver, you can edit the track on the map using the track tool



To Edit a Track

Use the following steps to edit a track.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and then click the track you want to edit.
 - A box displays around the selected track.
 - The shape points used to create the line display as small, magenta squares.
3. Change any of the track style, color, or weight options of the existing track.
OR
Change the track to a map line feature by clicking **Map** and then selecting the desired map track option.
 - Edit any label on a track by clicking the Select tool, selecting the line twice, then typing the label in the text box which displays next to the track.
 - Reshape the track by dragging any of the points in the line to a new location. When you select a shape point of a line segment within an active line:
 - A small green circle indicates the start end point of the selected track segment.
 - A small red circle indicates the last end point of the selected track segment.
 - Select the **Coordinate** or the **Distance and Bearing/Angle** option and edit their numbers. Click **Apply** to initiate the changes.

Notes:

- You can display either bearing or distance by clicking the drop-down arrow next to the Bearing or Angle text located below the distance text in the **Distance and Bearing/Angle** option.
- You can also delete points and line segments from or add points to a track. For more information on points, deleting points and line segments, and adding points, see the following topics:
 - *Deleting Points and Line Segments from Draw Objects* on page 71
 - *Adding Points to Draw Objects* on page 71

4. Click **Done** to finish your edit.
OR
Press the ENTER key on your keyboard.
OR
Click outside the object's active box on the map.


Lines: Drawing, Editing, and Placing

Street Atlas USA 2005 lets you add custom lines to a map file. You can adjust the line style, color, weight, and/or display it with map line features.

To Draw a Line


Draw a line point-by-point with each click of the mouse or drag to create a free-hand line on the map.

Use the following steps to draw a line.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Line/Arc/Spline tool to view its hidden options. Select the Line tool .
3. Select a line style from the Style drop-down list.
4. Click the line color button (next to the Style drop-down list) to select a line color.
5. If available, select a line width from the Width drop-down list.
Note: The Width option is not available for all line styles.
6. If available, select the Highlight check box to make your line appear translucent on the map.
Note: The Highlight option is not available for all line styles.
7. Select the **Show Measurement** check box to display information about the points on the map as you draw the line. As you add each point, a text box displays next to your pointer indicating the bearing or angle, leg (line segment) length, and total length of the whole line on the map.
Note: Labels display when end points are clicked if the Show Measurement check box is selected.
8. Click the map to designate the start and end points of each line segment.
 OR
 Drag your cursor on the map. The line displays as a squiggly line.
 - The coordinates of each point display in the corresponding text boxes to the right of the line options.
 - The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.
9. To finish the line, click the last point on the map screen and then click **Done**.
 OR
 Click the last point on the map screen and press the ENTER key on your keyboard.
 OR
 Double-click the last point of the line.
10. To label your line, select the line twice, then type the label in the text box which displays next to the line.

To Edit a Line

Use the following steps to edit a line.


1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and then click the line you want to edit.
 - A box displays around the selected line.
 - The shape points used to create the line display as small, magenta squares.**Note:** You can also edit multiple lines at once by dragging a box around the lines you want to edit. Any changes made in steps 5 will be made to all of the lines included in the box.
3. Change any of the line style, color, or width (if available) options of the existing line.
 OR
 You can:
 - Edit any label on a line by selecting the line twice, then typing the label in the text box which displays next to the line.
 - Reshape the line by dragging any of the points in the line to a new location. When you select a shape point of a line segment within an active line:
 - A small green circle indicates the start end point of the selected line segment.
 - A small red circle indicates the last end point of the selected line segment.
 - Select the **Coordinate** option or the **Distance and Bearing/Angle** option and edit their numbers. Click **Apply** to initiate the changes.**Notes:**
 - You can display either bearing or distance by clicking the drop-down arrow next to the Bearing or Angle text located below the distance text in the **Distance and Bearing/Angle** option.
 - You can also delete points and line segments from or add points to a line. For more information on points, deleting points and line segments, and adding points, see the following topics:
 - *Deleting Points and Line Segments from Draw Objects* on page 71

- *Adding Points to Draw Objects on page 71*

4. Click **Done** to finish your edit.
OR
Press the ENTER key on your keyboard.
OR
Click outside the object's active box on the map.

To Place a Line at a Specific Location

Use the following steps to place a line.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Line/Arc/Spline tool to view its hidden options. Select the Line tool .
3. Determine the line, style, width (if available) and color for your line.
4. Select the **Coordinate** option or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option, and enter the appropriate coordinates or numbers into the corresponding text boxes to the right of the text style options box.
5. Click **Apply** and repeat the procedure for the second point. The line displays on the map at those coordinates, distance, and bearing or angle.
OR
After placing the first point coordinate, move your pointer to the map screen and place the other points by hand by clicking on the screen.
6. You can then place additional points, lines, or other draw objects on the map in reference to the first line by entering a specific distance and bearing into the corresponding text boxes and clicking **Apply**.


Arcs: Drawing, Editing, and Placing

Street Atlas USA 2005 lets you add arcs to a map file. You can adjust the line style, color, weight, and or display it with map line features.

To Draw an Arc


An arc is created by entering only three points on the map. The first and second points determine the distance of the first arc base from the last arc base. The third point, placed between the first two, determines the radius of the arc and fixes the arc in place.

Use the following steps to draw an arc.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Line/Arc/Spline tool to view its hidden options. Select the Arc tool .
3. Select an arc style from the Style drop-down list.
4. Click the arc color button (next to the Style drop-down list) to select a color for your arc.
5. If available, select an arc width from the Width drop-down list.
Note: The Width option is not available for all arc styles.
6. If available, select the Highlight check box to make your arc appear translucent on the map.
Note: The Highlight option is not available for all arc styles.
7. Select the **Show Measurement** check box to display information about the points on the map as you draw the arc.
 - As you add the first and second points, a text box displays next to your pointer indicating the bearing or angle and total distance of the line between the two points on the map.
 - As you add the third point, a text box displays next to your pointer indicating the bearing or angle, radius of the arc, and total length of the entire arc line on the map.
8. Click the map to designate the start and end points of the arc.
Note: The coordinates of each point display in the corresponding text boxes to the right of the line options.
9. To finish the arc line draw, click the last point on the map screen and click **Done**.
OR
Click the last point on the map screen and press the ENTER key on your keyboard.
OR
Double-click the last point of the arc line.


To Edit an Arc

Use the following steps to edit an arc.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and then click the arc line on the map. A box displays around the active line. The shape points used to create the line display as small, magenta squares, and the central radius lines appear as thin, black dashed lines meeting at a central crosshair.
Note: You can also edit multiple arcs at once by dragging a box around the arcs you want to edit. Any changes made in steps 5 will be made to all of the arcs included in the box.
3. Change any of the line style, color, or width (if available) options of the existing line.
 OR
 You can:
 - Change the radius, bearing or angle, and length of the arc on the map by dragging one of the end points.
 - A small green circle indicates the start end point of the arc line.
 - A small red circle indicates the last end point of the arc line.
 - Change the radius and length of the arc on the map by dragging the central magenta shape point at the top of the arc.
Note:
 - If you want to decrease the radius and length of the arc by moving one of the base endpoints toward the other, you must first slide the central shape point toward the base endpoint which is not being moved. Then move the desired endpoint towards the stable endpoint.
 - Select the **Coordinate** option or the **Distance and Bearing/Angle** option and edit their numbers. Click **Apply** to initiate the changes.
Note: The Distance and Bearing/Angle text options are available for the two base points of the arc only. When the central shape point of the arc is selected, the text options change from Distance and Bearing/Angle to Radius and Direction. These settings can also be edited.
4. Click **Done** to finish your edit.
 OR
 Press the ENTER key on your keyboard.
 OR
 Click outside the object's active box on the map.

To Place an Arc at a Specific Location

Use the following steps to place an arc.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Line/Arc/Spline tool to view its hidden options. Select the Arc tool .
3. Determine the line, style, width, and color for your arc.
4. Select the **Coordinate** option or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option and enter the appropriate coordinates or numbers into the corresponding text boxes to the right of the text style options box.
Note: Enter new numbers into Distance and Bearing/Angle text boxes for the two base points of the arc only. When the central shape point of the arc is selected, the text options change from Distance and Bearing/Angle to Radius and Direction. Enter the appropriate radius number and direction to change the radius for this point.
5. Click **Apply** and repeat the procedure for the second point. The arc displays on the map at those coordinates, distance, and bearing or angle.
6. You can then place additional points, arcs, or other draw objects on the map in reference to the first arc by entering a specific distance and bearing into the corresponding text boxes and clicking **Apply**.


Splines: Drawing, Editing, and Placing

Street Atlas USA 2005 lets you add custom curved lines to a map file to represent more curved map features or boundaries. You can adjust the line style, color, weight, and or display it with map line features.

To Draw a Spline


As you draw a spline, points are entered in much the same way as those entered when creating a line. The difference between a line and a spline is that when you enter each point, the line segment between the points curves instead of staying straight.

Use the following steps to draw a spline.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Line/Arc/Spline tool to view its hidden options. Select the Spline tool .
3. Select a spline style from the Style drop-down list.
4. Click the spline color button (next to the Style drop-down list) to select a line color.
5. If available, select a spline width from the Width drop-down list.
Note: The Width option is not available for all spline styles.
6. If available, select the Highlight check box to make your spline appear translucent on the map.
Note: The Highlight option is not available for all spline styles.
7. Select the **Show Measurement** check box to display information about the points on the map as you draw the spline. As you add each point, a text box displays next to your pointer indicating the bearing or angle, leg (line segment) length, and total length of the whole spline on the map.
8. Click the map to enter the start and end points of each line segment.
 - The coordinates of each point display in the corresponding text boxes to the right of the line options.
 - The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.
9. To finish the spline draw, click the last point on the map screen and click **Done**.
OR
Click the last point on the map screen and press the ENTER key on your keyboard.
OR
Double-click the last point of the spline.

To Edit a Spline


Use the following steps to edit a spline.

1. Click the **Draw** tab to open the Draw dialog area.
 2. Click the Select tool  and then click the spline on the map. A box displays around the active spline and the shape points used to create the spline display as small, magenta squares.
Note: You can also edit multiple splines at once by dragging a box around the splines you want to edit. Any changes made in steps 5 will be made to all of the splines included in the box.
 3. Change any of the line style, color, or width (if available) options of the existing spline.
OR
You can:
 - Reshape the spline by dragging any of the points in the spline to a new location. Moving or deleting points on a spline reshapes the curve of the feature. When you select a shape point of a line segment within an active spline:
 - A small green circle indicates the start end point of the selected line segment.
 - A small red circle indicates the last end point of the selected line segment.
 - Select the **Coordinate** option or the **Distance and Bearing/Angle** option and edit their numbers. Click **Apply** to initiate the changes.
- Notes:**
- You can display either bearing or distance by clicking the drop-down arrow next to the Bearing or Angle text located below the distance text in the **Distance and Bearing/Angle** option.
 - You can also delete points and line segments from or add points to a spline. For more information on points, deleting points and line segments, and adding points, see the following topics:
 - *Deleting Points and Line Segments from Draw Objects* on page 71
 - *Adding Points to Draw Objects* on page 71

4. Click **Done** to finish your edit.
OR
Press the ENTER key on your keyboard.
OR
Click outside the object's active box on the map.

To Place a Spline at a Specific Location

Use the following steps to place a spline.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Line/Arc/Spline tool to view its hidden options. Select the Spline tool .
3. Determine the line, style, width (if available), and color for your spline.
4. Select the **Coordinate** option or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option, and enter the appropriate coordinates or numbers into the corresponding text boxes to the right of the text style options box.
5. Click **Apply** and repeat the procedure for the second point. The spline displays on the map at those coordinates, distance, and bearing or angle.
OR
After placing the first point coordinate, move your pointer to the map screen and place the other points by hand by clicking on the screen.
6. You can then place additional points, splines, or other draw objects on the map in reference to the first spline by entering a specific distance and bearing into the corresponding text boxes and clicking **Apply**.



Joining and Breaking Linear Objects

With Street Atlas USA 2005, you can join two or more routable roads, tracks, lines, arcs, or splines into a single entity. You can also break routable roads, tracks, lines, or splines.

You cannot break arcs.


To Join

Use the following steps to join linear objects.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool , press and hold the SHIFT key on the keyboard, and select any lines, arcs, or splines you want to join.
OR
Click the Select tool  and drag a box around the linear objects you want to join.
Notes: When joining the preceding types of line objects, you can mix and match lines, arcs, and splines. The result is always a line. However, when you join multiple splines, the resulting joined object is a spline.
3. Press CTRL+N on the keyboard. The selected lines are joined.
Note: Any other objects selected during the multi-select process are ignored.

To Break

Use the following steps to break linear objects.



1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and select the line object you want to break.
 - A box displays around the active line.
 - The shape points used to create the line display as small, magenta squares.
3. Click the shape point where you want to break the line and press CTRL+B on your keyboard. The line is broken into two segments at the designated point and each line can be edited separately.
Note: It is important that you perform steps 3 and 4 consecutively. If you pan the map, use another tab, etc. between steps, you may need to repeat the steps again to break your linear object.

Circles: Drawing, Editing, and Placing

Street Atlas USA 2005 lets you add circles to a map file.

To Draw a Circle



Use the following steps to draw a circle.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Polygon/Rectangle/Circle tool to view its hidden options. Select the Circle tool .
3. From the Fill drop-down list, select the fill style you want to apply to the circle.
4. Click the fill color button (to the right of the Fill drop-down list) to select the color for your fill style.
5. Select an outline style for your circle from the Outline drop-down list.
6. Click the outline color button to select a color for the outline of your circle.
7. Select the width for your circle outline from the Width drop-down list.
8. Select the **Show Measurement** check box to display area and radius information on the map as you draw the circle.
9. Click the location for the circle's center on the map and drag away from center to set the radius for the circle. Release as soon as the desired radius is achieved.
The radius of the circle and the coordinates of the circle's center display in the corresponding text boxes to the right of the circle fill option area.
Note: Labels display when end points are clicked if the Show Measurement check box is selected.
10. Click the Select tool  and then click the desired circle on the map. A box displays around the circle indicating that it is active and a small crosshair indicates the center of the circle.
11. Click the circle again. A text box displays. Type the desired label in the text box and press the ENTER key on your keyboard.

Obtain the area of the circle by adding a detailed MapNote using the right-click function.


To Edit a Circle

Use the following steps to edit a circle.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and then click the desired circle on the map. A box displays around the circle indicating that it is active and a small crosshair indicates the center of the circle.
OR
To edit multiple circles, click the Select tool  and then drag a box around the circles that you want to edit.
3. Change the circle fill, outline, and/or width option.
OR
If you selected a single circle, drag one of the magenta squares around the circle to change the circle's size. The center of the circle remains in its original location.
4. Press the ENTER key on your keyboard to finish your edit.
OR
Click outside the object's active box on the map.

To Place a Circle at a Specific Location

Use the following steps to place a circle.


1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Polygon/Rectangle/Circle tool to view its hidden options. Select the Circle tool .
3. Select the desired circle fill, outline, and/or width options.
4. Enter the desired coordinates for the circle's center into the corresponding text boxes.
5. Enter the desired radius for the circle into the radius text box.
6. Click **Apply**. The circle displays on the map at those coordinates with the desired radius.

Rectangles: Drawing, Editing, and Placing

Street Atlas USA 2005 lets you add filled rectangles to a map file.

To Draw a Rectangle



Use the following steps to draw a rectangle.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Polygon/Rectangle/Circle tool to view its hidden options. Select the Rectangle tool .
3. From the Fill drop-down list, select the fill style you want to apply to the rectangle.
4. Click the fill color button (to the right of the Fill drop-down list) to select the color for your fill style.
5. Select an outline style for your rectangle from the Outline drop-down list.
6. Click the outline color button to select a color for the outline of your rectangle.
7. Select the width for your rectangle outline from the Width drop-down list.
8. Select **Show Measurement** to display information on the width, height, and area on the map as you draw the rectangle.
Note: Labels display when end points are clicked if the Show Measurement check box is selected.
9. Click the location for the rectangle's upper-left corner on the map and drag away from the corner to set the width, height, and area for the rectangle. Release as soon as the desired size is achieved.
 - The coordinates of the upper-left corner point displays in the corresponding text boxes to the right of the fill options.
 - The distance and bearing/angle of the final corner point from the first corner point displays in the corresponding text boxes to the right of the fill options.

Obtain the area of the rectangle by adding a detailed MapNote using the right-click function.


To Edit a Rectangle

Use the following steps to edit a rectangle.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and then click the desired rectangle on the map. A dotted-line box displays around the rectangle indicating that it is active and the corner points display as small, magenta boxes.
 OR
 To edit multiple rectangles, click the Select tool  and then drag a box around the rectangles that you want to edit.
3. Change the rectangle fill, outline, and/or width option.
 OR
 If you selected to edit a single rectangle, click on one of the corner points of the rectangle and drag to change it's width, height, and area on the map.
4. Click **Done** to finish your edit.
 OR
 Press the ENTER key on your keyboard to finish your edit.
 OR
 Click outside the object's active box on the map.

To Place a Rectangle at a Specific Location

Use the following steps to place a rectangle.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Polygon/Rectangle/Circle tool to view its hidden options. Select the Rectangle tool .
3. Select the desired rectangle fill, outline, and/or width options.

4. Select the **Coordinate** option or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option. Enter the appropriate coordinates or numbers for the rectangle's upper-left corner point into the corresponding text boxes to the right of the fill options box.
5. Click **Apply** and move your pointer to the map screen. A black line box appears on the screen outlining the width, height, and area of the desired rectangle. Click to lock the rectangle dimensions on the map. The completed rectangle displays on the map.


- While in Draw mode, you can use the Compass Rose or the arrows along the map edges to scroll the map.
- To delete all features from a map file, click **Clear All**.

Polygons: Drawing, Editing, and Placing

Street Atlas USA 2005 lets you add polygons to a map file.

To Draw a Polygon



Use the following steps to draw a polygon.

1. Click the **Draw** tab to open the Draw dialog area.
 2. Click and hold the Polygon/Rectangle/Circle tool to view its hidden options. Select the Polygon tool .
 3. From the Fill drop-down list, select the fill style you want to apply to the polygon.
 4. Click the fill color button (to the right of the Fill drop-down list) to select the color for your fill style.
 5. Select an outline style for your polygon from the Outline drop-down list.
 6. Click the outline color button to select a color for the outline of your polygon.
 7. Select the width for your polygon outline from the Width drop-down list.
 8. Select the **Show Measurement** check box to display information on the bearing or angle, leg (line segment) length between points, and area on the map as you draw the polygon.
- Note:** Labels display when end points are clicked if the Show Measurement check box is selected.
9. Click the map to enter each point of the polygon.
 - The coordinates of each point display in the corresponding text boxes to the right of the fill options.
 - The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.
 10. To finish the polygon, click the last point on the map screen and click **Done**
 OR
 Click the last point on the map screen and press the ENTER key on your keyboard.
 OR
 Double-click the last point of the line.

Obtain the area of the polygon by adding a detailed MapNote using the right-click function.

To Edit a Polygon

Use the following steps to edit a polygon.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and then click the desired polygon on the map. A box displays around the polygon indicating that it is active. Shape points display as small, magenta boxes.
 OR
 To edit multiple polygons, click the Select tool  and then drag a box around the polygons that you want to edit.
3. Change the polygon fill, width, and/or outline option.
 OR
 If you selected to edit a single polygon, click on one of the shape points of the polygon and drag to change its bearing or angle, the leg length, and polygon area on the map.

- Reshape the polygon by dragging any of the points in the polygon to a new location. When you select a shape point of a line segment within an active polygon:
 - A small green circle indicates the start end point of the selected line segment.
 - A small red circle indicates the last end point of the selected line segment.
- Select the **Coordinate** option or the **Distance and Bearing/Angle** option and edit their numbers. Click **Apply** to initiate the changes.


Notes:

- You can display either bearing or distance by clicking the drop-down arrow next to the Bearing or Angle text located below the distance text in the **Distance and Bearing/Angle** option.
- You can also delete points and line segments from or add points to a polygon. For more information on points, deleting points and line segments, and adding points, see the following topics:
 - *Deleting Points and Line Segments from Draw Objects* on page 71
 - *Adding Points to Draw Objects* on page 71

4. Click **Done** to finish your edit.
OR
Press the ENTER key on your keyboard to finish your edit.
OR
Click outside the object's active box on the map to finish your edit.

To Place a Polygon at a Specific Location

Use the following steps to place a polygon.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Polygon/Rectangle/Circle tool to view its hidden options. Select the Polygon tool .
3. Select the desired polygon fill, width, and/or outline options.
4. Select the **Coordinate** option or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option, and enter the appropriate coordinates or numbers for the first polygon point into the corresponding text boxes to the right of the fill options box.
5. Click **Apply** and repeat the procedure for the other points. The polygon displays on the map at those coordinates.
6. You can then place additional points, polygons, or other draw objects on the map in reference to a polygon point. Enter a specific distance and bearing into the corresponding text boxes and click **Apply**.


Waypoints: Adding, Editing, and Placing

Street Atlas USA 2005 lets you add waypoints to your map which can later be uploaded to a GPS device, Pocket PC device, or Palm OS device.

- Four draw tool options provide pull-out menus with hidden tools.
- You can search for a waypoint by its name using the QuickSearch function in the Find tab or by typing the name in the start, finish, stop, or via text boxes when creating a route in the Route tab.

To Add a Waypoint

Use the following steps to add a waypoint.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Routable Roads/Waypoints/Tracks tool to view its hidden options. Select the Waypoints tool . The pointer displays a flag symbol and the Symbol Selection area displays.
3. Select the desired waypoint symbol from the Symbols options. You may also select a different font, style, size, and color for the waypoint name.
4. Click the location for the waypoint on the map and type the name or phrase into the text box which displays next to the waypoint.

Note: Press the ESC key on your keyboard to cancel the text edit.


- The coordinates of each point display in the corresponding text boxes to the right of the font options.
 - The distance and bearing/angle of each new point from its previous point display in the corresponding text boxes.
5. Press the ENTER key on your keyboard or click the map outside of the waypoint's active area when you are finished editing the waypoint.

Tips:

- When editing, moving, or deleting a waypoint, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.
- You can display either bearing or distance by clicking the drop-down arrow next to the Bearing or Angle text located below the distance text in the **Distance and Bearing/Angle** option.

To Edit the Name of a Waypoint


Use the following steps to edit the text label for an existing waypoint in Street Atlas USA 2005.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool .
3. Click the desired waypoint on the map. A box displays around the waypoint indicating it is selected.
4. Click the waypoint again to activate the text box. Type a new name or change the name's font, style, size, or color. You can also choose another symbol to represent your data.
5. Press the ENTER key on your keyboard or click the map outside of the waypoint's active area when you are finished editing the waypoint.

Tip: When editing, moving, or deleting a waypoint, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.

To Place a Waypoint at a Specific Location

Use the following steps to place a waypoint at a specific location on a map in Street Atlas USA 2005.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the Routable Roads/Waypoints/Tracks tool to view its hidden options. Select the Waypoints tool . The pointer displays a flag symbol and the Symbol Selection area displays.
3. Select the desired waypoint symbol from the Symbols options. You may also select a different font, style, size and color for the waypoint name.
4. Select the **Coordinate** option or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option, and enter the appropriate coordinates or numbers into the corresponding text boxes to the right of the font options. (See Note below.)
5. Click **Apply**. The waypoint displays on the map at those coordinates or distance and bearing/angle locations.

Note: To use the Distance and Bearing/Angle option with a waypoint, you must first have a waypoint placed on the map. The distance and bearing/angle numbers are entered in relationship to the **LAST** waypoint you added to the map.

Tips:

- While in Draw mode, you can use the Compass Rose, map edges, or Overview Map to scroll the map.
- When editing, moving, or deleting a waypoint, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.

Symbols: Adding, Editing, and Placing


Street Atlas USA 2005 lets you incorporate both symbols and text in a map file under the Draw tab. Choose a symbol to represent a place (e.g., flag, map pin, square, etc.) and then label it with text. The text entered becomes the symbol's name which can be used to locate the symbol in the Find tab. For more information, see *Finding a Symbol by Its Name* on page 68.



- You can search for a symbol by its label name using the QuickSearch function in the Find tab or by typing the label name in the start, finish, stop, or via text boxes when creating a route in the Route tab.

To Add a Symbol

Use the following steps to add a symbol.


1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Symbol tool . The pointer displays a flag symbol and the Symbol Selection area displays.
3. Under Symbols, select the desired symbol set from the available drop-down list. Then, select the desired symbol. You may also select a different font, style, size, and color for the symbol name.
4. Click the desired location for the symbol.

Tips:

- When editing, moving, or deleting a symbol, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.
- You can display either bearing or distance by clicking the drop-down arrow next to the Bearing or Angle text located below the distance text in the **Distance and Bearing/Angle** option.

To Edit the Name of a Symbol


Use the following steps to edit the text label for an existing symbol in Street Atlas USA 2005.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and click the symbol again.
Note: You can also edit multiple symbols at once by dragging a box around the symbols you want to edit. Any changes made in steps 5 will be made to all of the symbols included in the box.
3. Change the symbol's font, style, size, or color. You can also choose another symbol to represent your data.
4. Press the ENTER key on your keyboard or click the map outside of the symbol's active area when you are finished editing the symbol.

Tip: When editing, moving, or deleting a symbol, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.

To Place a Symbol at a Specific Location

Use the following steps to place a symbol at a specific location on a map in Street Atlas USA 2005.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Symbol tool . The pointer displays a flag symbol and the Symbol Selection area displays.
3. Select the desired symbol from the Symbol Selection. You may also select a different font, style, size and color for the symbol name.
4. Select the **Coordinate** option or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option, and enter the appropriate coordinates or numbers into the corresponding text boxes to the right of the Symbols group box. (See Note below.)
5. Click **Apply**. The symbol displays on the map at those coordinates or distance and bearing/angle locations.
Note: To use the Distance and Bearing/Angle option with a symbol, you must first have a symbol placed on the map. The distance and bearing/angle numbers are entered in relationship to the LAST symbol you added to the map.

Tips:

- To view statistical information for a symbol, right-click a symbol and click **Info** from the shortcut menu. The symbol URL, label, coordinate information, as well as demographic information display in the Info tab.
- While in Draw mode, you can use the Compass Rose, map edges, or Overview Map to scroll the map.
- When editing, moving, or deleting a symbol, click **Undo** to undo the last action. If you decide not to undo the last action, click **Redo**.

MapNotes: Adding, Editing, and Placing

You can add your own MapNotes to a map in Street Atlas USA 2005. MapNotes have a white background that make them highly visible on the map. They can contain multiple lines of text and can be moved off of the labeled area without losing their visual links with the points. You can use MapNotes for directions or explanations.


Street Atlas USA 2005 supports all standard Windows® fonts as well as a variety of styles, sizes, and colors. Click the **Font**, **Style**, **Size**, and **Color** drop-down lists to select a text style option.

- When you use right-click functionality to add a MapNote, it is light blue unless it is a blank MapNote.
- You can search for a MapNote by its label name using the QuickSearch function in the Find tab or by typing the label name in the start, finish, stop, or via text boxes when creating a route in the Route tab.

To Add a MapNote to the Map

A MapNote consists of a text box with an anchor point which points to a specific location on the map.


Use the following steps to add a MapNote.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the MapNote/Text Label tool to view its hidden options. Select the MapNote tool .
3. Select the desired font, style, size, and color from the text style options. A sample of how your text will display appears to the left of the options.
4. Click the desired location for your MapNote on the map. The coordinates or distance and bearing/angle numbers of the location display in the corresponding Coordinate or Distance and Bearing/Angle text boxes.
5. Press the ENTER key on your keyboard or click the map outside of the MapNote active area when you are finished.

Tip: If you add another MapNote to the map, its distance and bearing from the previous MapNote display in the corresponding text boxes.


To Edit a MapNote

Use the following steps to edit a MapNote.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click the Select tool  and then click twice on the desired MapNote on the map.
Note: You can also edit multiple MapNotes at once by dragging a box around the MapNotes you want to edit. Any changes made in steps 4 will be made to all of the MapNotes included in the box.
3. Select the desired font, style, size, and color from the text style options if you wish to change the look of the label text. A sample of how your text display appears to the left of the options and the text updates in the text box on the map screen.
OR
Click within the Label text box on the map screen and type to edit the current text.
Note: Press SHIFT+ENTER or CTRL+ENTER to type additional lines of text in the Label field.
4. Press the ENTER key on your keyboard or click the map outside of the text label active area when you are finished.

To Place a MapNote at a Specific Location

Use the following steps to place a MapNote.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the MapNote/Text Label tool to view its hidden options. Select the MapNote tool .
3. Select the desired font, style, size, and color from the text style options. A sample of how your text display appears to the left of the options.
4. Select the **Coordinate** option, or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option, and type the appropriate coordinates or numbers into the corresponding text boxes to the right of the text style options box (see Notes below).
5. Click **Apply**. The MapNote displays on the map at those coordinates, distance, and bearing or angle.
6. Enter the desired text and press the ENTER key on your keyboard or click the map outside of the text label active area when you are finished.

- To use the **Distance and Bearing/Angle** option with a text label, you must first have another text label placed on the map. The distance and bearing/angle numbers are entered in relationship to the LAST text label you added to the map.
- You can display either bearing or distance by clicking the drop-down arrow next to the Bearing or Angle text located below the distance text in the **Distance and Bearing/Angle** option.

- While in Draw mode, you can use the Compass Rose or the arrows along the map edges to scroll the map.


Text Labels: Adding, Editing, and Placing

You can add your own text labels to maps in Street Atlas USA 2005. Text labels allow you to create labels for map features or points of interest. Street Atlas USA 2005 supports all standard Windows® fonts as well as a variety of styles, sizes, and colors. Click the **Font**, **Style**, **Size**, and **Color** drop-down lists to select a text style option.

- The Text Label tool is part of one of four draw tool options which provide pull-out menus with hidden tools.
- You can search for a symbol by its label name using the QuickSearch function in the Find tab or by typing the label name in the start, finish, stop, or via text boxes when creating a route in the Route tab.

To Add a Text Label to the Map


Use the following steps to add a text label.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the MapNote/Text Label tool to view its hidden options. Select the Text Label tool .
3. Select the desired font, style, size, and color from the text style options. A sample of how your text will display appears to the left of the options.
4. Click the desired location for the text label on the map. The coordinates or distance and bearing/angle numbers of the location display in the corresponding Coordinate or Distance and Bearing/Angle text boxes.
5. Press the ENTER key on your keyboard or click the map outside of the text label active area when you are finished.

Note: If you add another text label to the map, its distance and bearing or angle from the previous text label displays in the corresponding text boxes.


To Edit a Text Label

Use the following steps to edit a text label.

1. Click the **Draw** tab to open the Draw dialog area.
 2. Click the Select tool  and then click twice on the desired text label on the map. The URL/Label text box becomes active.
- Note:** You can also edit multiple text labels at once by dragging a box around the text labels you want to edit. Any changes made in steps 4 will be made to all of the text labels included in the box.
3. Select the desired font, style, size, and color from the text style options if you wish to change the look of the label text. A sample of how your text will display appears to the left of the options and the text updates in the text box on the map screen.
- OR
- Click within the Label field on the map screen and type to edit the current text.
4. Press the ENTER key on your keyboard or click the map outside of the text label active area when you are finished.

To Place a Text Label at a Specific Location

Use the following steps to place a text label.

1. Click the **Draw** tab to open the Draw dialog area.
2. Click and hold the MapNote/Text Label tool to view its hidden options. Select the Text Label tool .
3. Select the desired font, style, size, and color from the text style options. A sample of how your text display appears to the left of the options.
4. Select the **Coordinate** option, or use the **Distance and Bearing/Angle** option in conjunction with the Coordinate option, and type the appropriate coordinates or numbers into the corresponding text boxes to the right of the text style options box. (See Notes below.)
5. Click **Apply**. The text label and its text box display on the map at those coordinates, distance, and bearing or angle.

6. Enter the desired text and press the ENTER key on your keyboard or click the map outside of the text label active area when you are finished.

- To view statistical information for a text label, right-click a text label and click **Info** from the shortcut menu. The text label's label, coordinate information, as well as demographic information display in the Info tab.
- To use the **Distance and Bearing/Angle** option with a text label, you must first have another text label placed on the map. The distance and bearing/angle numbers are entered in relationship to the LAST text label you added to the map.
- While in Draw mode, you can use the Compass Rose or the arrows along the map edges to scroll the map.

GPS

GPS Overview

Street Atlas USA 2005 allows you to take advantage of the Global Positioning System (GPS) through an interface with most GPS receivers, such as the DeLorme Earthmate® or GpsTripmate®.

Using Street Atlas USA 2005, a laptop computer, and your GPS receiver, you can:

- Display a "bread crumb trail" to track your progress as you travel.
- Send and receive route information, draw objects, tracks, and waypoints to/from your GPS device using the Exchange Wizard.



Safety Warnings

- Bring a passenger along to serve as GPS operator while you are driving a vehicle.
- Street Atlas USA 2005 should not be used in automatic navigation, guidance systems, or for any purpose requiring precise measurement of distance or direction.

What is GPS?

The Global Positioning System (GPS) applies modern technology to the ancient basics of navigation. The U.S. Department of Defense has developed and launched a series of positioning satellites in an orbiting "constellation." These satellites are used as reference points much the same way stars have been used in conventional navigation. Using these satellites, a GPS receiver can determine your position anywhere on the globe. GPS provides accurate information about coordinate position, elevation, speed, and direction of travel. Many people have discovered the benefits of GPS for tracking vehicles, recording routes, and much more.

How Does GPS Work?

The GPS "constellation" consists of 24 satellites, each carrying several atomic clocks to ensure the most accurate time possible. The satellites broadcast low-power radio waves containing the satellite's identity code and the exact time (to the nanosecond) that the message was sent.

When a GPS receiver picks up a satellite signal, it identifies the satellite and compares the signal time with its own clock. The time difference represents the time it has taken for that radio wave to travel from the satellite to the receiver. Since radio waves travel at the speed of light, the time difference can be used to calculate the distance from the satellite to the GPS receiver.

The satellite's identity code provides the location of the satellite, and the distance to the receiver creates a sphere of possible locations for the GPS receiver. Without more information, the receiver only knows that it is located somewhere on that sphere.

Two additional satellites are necessary to narrow down the receiver's possible position. Each of these satellites sends a similar radio message containing time and identity information. The GPS receiver checks the orbital location of each satellite and uses the elapsed time to create two additional spheres of possible locations. These three spheres intersect at two points; however, one of these points is eliminated because it is far away from the earth's surface. Therefore, the second point is assumed to be correct. The data from these three satellites provides the receiver with a two-dimensional location.

Data acquired from a fourth satellite pinpoints the receiver's exact location. This additional positioning information allows the GPS receiver to calculate its elevation, which is particularly important for GPS users in mountainous locations.

GPS Position Accuracy

The accuracy of the data your GPS receiver provides is dependent upon many factors, including the quality of your equipment. A low-quality clock within the receiver decreases the accuracy of your location. The atmosphere, the ionosphere, and the number of channels your receiver can handle all affect the accuracy of your system. Consult your GPS hardware manuals for information on how your receiver adjusts for errors.

Any buildings, natural structures, or heavy foliage that obstruct the GPS antenna's view of the sky prevent satellite signals from reaching the receiver and therefore decreases the accuracy of your position.

Your accuracy will also depend on your level of clearance with the U.S. Department of Defense. There are two available radio signals that receivers can use: the Standard Positioning Service (SPS) for civilians and the Precise Positioning Service (PPS) for military and authorized personnel.

Getting Started With Your GPS Connection

Before you can begin GPS tracking, you must connect your GPS receiver to your laptop. Select the correct GPS receiver and change location, time, and preference settings, as needed.

Before beginning your GPS setup with Street Atlas USA 2005, read the user manual for your GPS receiver. Also, ensure you have the appropriate cable and any necessary adapters to connect your GPS receiver to the communications port of your laptop computer.

To View Your Current GPS Settings

Use the steps below to view your current GPS settings.

1. Connect your GPS receiver to your computer, set the receiver to the mode specified in your user manual, and then turn the receiver on (if necessary).
2. Open Street Atlas USA 2005, click the **GPS** tab, and then click **Settings**.

Under Current Settings, you can view the following items:

- **Device**—Displays the current, active GPS device (or the last selected device).
- **Coordinates**—Displays the coordinates of the last acquired location by the GPS device in the coordinate format defined on the Units dialog area in the Map Display tab.
Note: When the product is first used, the coordinates displayed are for DeLorme, in Yarmouth, Maine.
- **Date and Time**—Displays the system date and time, unless you have manually adjusted the date and/or time manually.

Initializing GPS

The initializing process can take several minutes before the program detects the correct communications (COM) port and updates the current settings.

To Initialize Your GPS Receiver

Use the following procedure to initialize your GPS receiver for use with Street Atlas USA 2005.

1. Click the **GPS** tab and then click **Settings** to open the GPS Settings dialog area.
2. Click **Clear Trail** to delete any GPS points from the current map display.
3. Click **Options**. The Options dialog box displays.
4. Select any or all of the following check boxes and click **OK** when finished:
 - **Start GPS Log**—When selected, automatically generates a GPS log.
 - **Use High-Contrast Colors**—When selected, automatically enables high-contrast map colors.
 - **Magnify Map**—When selected, automatically magnifies the map view to the specified magnification (125%, 150%, 175%, or 200%).
 - **Recenter Map on GPS**—When selected, automatically centers the map on the GPS when you pan the map.
 - **Rotate Map in GPS Direction**—When selected, automatically rotates the map while the GPS is on and moving or when playing back a GPS log. The direction of travel is indicated at the top of the screen.
 - **Show GPS Bread-Crumb Trail**—When selected, automatically displays your GPS progress on the map as a "bread-crumb" trail up to the maximum specified number of points (5000 points is approximately one hour and 20 minutes worth of points).
 - **Enable GPS Voice Navigation**—When selected, provides spoken directions when tracking a route with a GPS receiver.
 - **Recalculate When Off Route**—When selected, automatically recalculates the route by the designated threshold distance when the GPS is off of the route.
 - **Start GPS with the Program**—When selected, starts GPS tracking automatically each time Street Atlas USA 2005 is opened.

- **Automatically Detect GPS**—When selected, automatically sets up your GPS connection.
Suggestion: If your GPS receiver has a USB cable, select **Automatically Detect GPS** to ensure the correct COM port is detected for your device and that a connection can be made.
- **Enable WAAS Use**—This option is only available when Earthmate is the selected device (see step 3A). When selected, enables WAAS use. This option is selected by default.
Note: This option only applies to the new USB Earthmate GPS receiver.
- **Enable LED on GPS Device**—This option is only available when Earthmate is the selected device (see step 3A). When selected, turns on the LED on the Earthmate. When the check box is cleared, the LED on the Earthmate does not display. This option is selected by default.
Note: This option only applies to the new USB Earthmate GPS receiver.

OR

Use the following procedures to manually configure your GPS connection.

A. **Select the correct GPS device:**

Use the steps below to select the correct GPS receiver and settings in Street Atlas USA 2005.

- i. Connect your GPS receiver to your computer, set the receiver to the mode specified in your user manual, and then turn the receiver on (if necessary).
- ii. Open Street Atlas USA, click the **GPS** tab, and then click **Settings**.
- iii. Under Edit Settings, click **Device** to display the Device options.
- iv. From the Device drop-down list, select the type of GPS receiver you are using. If your device is not listed, select Generic NMEA.
Note: The Settings text box automatically displays the default settings for the selected device.
- v. From the Port drop-down list, select the communications port that you are using to attach the GPS receiver to your computer (see your computer manual for further information).
- vi. Click **Done** to save your selected options. The Settings dialog area displays.

B. **Manually change the location coordinates:**

Each time you track via GPS, the initialization process uses the coordinates from the last initialized location.

Use the following steps to change these coordinates to those of your choice.

- i. Connect your GPS receiver to your computer, set the receiver to the mode specified in your owner manual, and then turn the receiver on (if necessary).
- ii. Open Topo USA 5.0. Click the **GPS** tab and then click **Settings**.
- iii. Under GPS Options, verify that the **Auto Detect GPS** option is NOT selected.
- iv. Under Edit Settings, click **Location** to display the location options.
- v. Click the point on the map you wish to use as your starting point. The map centers on that point and coordinates update automatically.

OR

Type the desired coordinates in the Coordinate text boxes.

Note: Coordinates display in the units specified under Units in the Map Display tab.

- vi. Click **Done** to save your changes. The Settings dialog area displays.
Note: Clicking **Cancel** displays the Settings dialog area. No changes are saved.

C. **Update the date/time options:**

Topo USA 5.0 lets you use the date and time on your computer or you can change the date and time settings used by the GPS device to those of your choice.

Use the following steps to change the date and/or time settings.

- i. Connect your GPS receiver to your computer, set the receiver to the mode specified in your user manual, and then turn the receiver on (if necessary).
- ii. Open Topo USA 5.0. Click the **GPS** tab and then click **Settings**.
- iii. Under Edit Settings, click **Date/Time** to display the Date/Time options.
- iv. To use the date and time on your computer, select the **Use Current System Date/Time** check box.

OR

To use the time and date of your choice, clear the **Use Current System Date/Time** check box, and then:

- To manually set the time, select the desired time zone from the Zone drop-down box, and if daylight saving time is currently in effect where you are, select the **DST** check box. Type the desired time in the **T** text box.

Note: Time is displayed in 24-hour format, with Midnight as 00:00:00.

- To manually set the date, type the desired date in the **D** text box.

Note: Date format is MM/DD/YY.

v. Click **Done** to save changes. The Settings dialog area displays.

4. Click **Start GPS**. Your GPS receiver begins acquiring satellite data and the GPS Status dialog area displays.

- The GPS Status dialog area displays on your screen so that you can view the status of your GPS connection while your GPS receiver acquires data from the satellites. Once your GPS receiver acquires a fix on your location, Street Atlas USA 2005 indicates your position on the map as a yellow or green dot that changes to an arrow as you travel.
- While your receiver is acquiring data, many red dots display on your map (except with Magellan receivers). You may have to zoom in to see them clearly. These red dots are positioned at the readings taken by the GPS receiver as it is acquiring data.
- For more information on the GPS Status dialog area, see *Monitoring Your GPS Status* on page 94.
- Magellan receivers do not display any data until you are moving.
- If you have the HotSync® manager loaded in the startup (the default configuration), it reserves the COM port. If that is the one where the GPS receiver is attached, you must exit HotSync manager to get the GPS receiver to initialize. This can be done by right-clicking the HotSync icon on the taskbar and selecting the Exit option from the shortcut menu. If you have two COM ports, verify the correct COM port is selected for use with Street Atlas USA 2005.
- Any questions or problems regarding the operation of your GPS receiver should be directed to its manufacturer.

GPS Settings for Third-Party Devices

A third-party GPS receiver is one which is manufactured by a company other than DeLorme, such as GARMIN, Magellan, Brunton, Lowrance, Trimble, and so forth.

To Use Recommended Settings for Your Third-Party Receiver

The table below provides information on several GPS receivers. Locate your receiver in the farthest-left column, and read across for information on settings for Tracking, Waypoints, your DeLorme mapping product, and any additional information.

GPS Receiver	Tracking	Waypoints	DeLorme Product Settings	Other Information
Garmin® GPS III, GPS III+, GPS II, GPS II+,	*Garmin	Garmin/Host	Garmin/Garmin	Stores routes and tracks by name. Can simulate bearing and speed in program (image does not update in simulate mode). Make sure baud rate on program matches device. Tracks
Street Pilot, ColorPilot, Street Pilot III	*Garmin	Garmin/Slave	Garmin/Garmin	
Garmin eTrex® series, Geko™, Rino®, 12Map	NMEA/NMEA	Garmin/Garmin	Garmin NMEA (w/wpt)	
Garmin eMap, GPS76 series,	NMEA/NMEA	Garmin/Garmin	Garmin NMEA (w/wpt)	

GPS Receiver	Tracking	Waypoints	DeLorme Product Settings	Other Information
GPSV series				(breadcrumb trail), by default. Use the save date as the name. Routes use the name specified by the creating program.
Garmin 45XL, GPS12, 12XL	NMEA/NMEA	Garmin/Garmin	Garmin NMEA (w/wpt)	Stores routes by number.
Magellan™ Tracker, ColorTrack, Meridian, SporTrak, Map 315, Map 320, Map 330	NMEA v2.1 GSA (default is usually off)**		Magellan (w/wpt)	Note: Best baud rate is 4800. Transfers above this are not reliable. Stores routes by number. Most devices store only one track log. Can simulate movement and bearing in program. Make sure baud rate on program matches device. Make sure Map datum is set to WGS84. Make sure simulate mode is OFF for active tracking.
Lowrance GlobalNav 100, 212, 300	NMEA Out	NMEA Out	Eagle/Lowrance	Make sure Star DGPS and Magellan DGPS are not active. Make sure all options in Configure NMEA are selected and NMEA 0183 2.0 is selected.
Trimble Scoutmaster™	NMEA 0183 v2.0	Not Supported	Trimble	To initialize, choose LOC option. To change NMEA settings, choose Setup (4th option). Refer to manual for more information.
Brunton	NMEA 0183 v2.0	NMEA 0183 v2.0	Brunton	Only supported on newer DeLorme software.

*Can track using Garmin mode; however, the almanac status and the skyview do not populate unless using Garmin/NMEA mode. Thus, if in doubt, use NMEA OUT mode.

**For earlier versions of the Magellan O/S, use NMEA B.




Tracking and Monitoring Overview

To Start GPS Tracking

Use the following steps to track your movement along your route on your computer screen in Street Atlas USA 2005 as you travel.

1. Click the **GPS** tab and then click **Settings**.
2. Click **Start GPS**. The GPS Status dialog area displays. For more information, see *Monitoring Your GPS Status* on page 94.

One of the following tracking indicator arrows displays along your route on your computer screen. You must be traveling at speeds of 3 mph or more for an arrow indicator to display.

-  If the signal is strong, your location displays as a green arrow (dark green for WAAS-enabled devices) on the map as you move.
-  If you are receiving signals from three satellites (a 2-D fix), your location displays as a yellow arrow.
-  If your GPS device is not receiving data, the arrow is red. Reposition your receiver, ensuring a clear pathway to the sky.

- A trail of dots of the appropriate color (green or yellow) indicating the route traveled display on the map.
- Magellan receivers do not display any data until you are moving.

To Stop GPS Tracking

Use the following steps to stop GPS tracking.

1. On the **GPS** tab, click **Settings**.
2. Click **Stop GPS** to stop tracking your route on the screen.

Monitoring Your GPS Status

Once you have initialized and begun tracking, you can continue to monitor the status of your GPS connection, your speed, heading, elevation, position according to your preferred coordinate format, and satellite data.

Status information accuracy is affected by speed (3 mph or more) and your GPS status. 3-D status provides the most accurate information.

To Monitor Your GPS Status

The Status dialog area displays automatically when you click the **Start GPS** button in the GPS Settings dialog area. You can perform other functions and then return at any time. To return to monitoring your GPS status, click the GPS tab and then click **Status**. The GPS Status options display.

Speed and Heading



Speed—Displays the speed you are traveling based on the selected Units preference.

Heading—Displays as degrees T (True North) or M (Magnetic North) based on the bearing selected on the Units dialog area in the Map Display tab.

Bearing

Compass—The Compass needle turns to represent the current bearing while tracking.

Coordinates/Elevation

Coordinates—The coordinate fields display based on the selected Units preference.

Elevation—Displays the current elevation if the GPS status is 3-D and is based on the selected Units preference. Elevation can be displayed with a 2-D status; your position is indicated accurately on your screen as you travel unless you are in an area where your elevation varies greatly.

GPS Status

No GPS—A red circle with a slash indicates the GPS receiver is not yet detected by your computer. This status usually displays when initialization first begins.

Acquiring—A red blinking circle indicates the GPS receiver is not yet receiving sufficient satellite data to determine your position. This status displays while the GPS receiver is acquiring satellite data and can take several minutes.

2-D—A yellow circle indicates the GPS connection is successful, but there is insufficient satellite data to determine your GPS position. This usually indicates insufficient data for an accurate location due to 1) only three satellites being used or 2) poor signals from the satellites. Move your receiver to another location until you get better reception.

3-D—A green circle indicates the GPS receiver is receiving sufficient satellite data to determine your location. When the status reads 3-D, your current coordinates, elevation, and heading are displayed, along with the speed you are currently traveling.

Note: If you are tracking with a WAAS-enabled device, a 3-D fix displays as "3-D DGPS."

Satellite Info

Under the GPS status icon, click **Sat. Info** to view the current satellite status.

Note: Satellite Info is a toggle button, which switches to Status. Click **Status** to return to the original Status dialog area.

Dilution of Precision

Dilution of Precision	
PDOP:	0.00
HDOP:	1.80
VDOP:	0.00

The Dilution of Precision area lists your Position Dilution of Precision, your Horizontal Dilution of Precision, and your Vertical Dilution of Precision.

Satellite Listing

The Satellite Listing window displays the satellites that are currently visible in the sky. The columns list the satellite number, elevation, azimuth, and signal-to-noise ratio.

Note: Satellite Listing information is only available for DeLorme receivers and NMEA-compatible receivers.

Almanac

When using a DeLorme GPS receiver, the Almanac window displays the satellite number and its current status.

N—Indicates the satellite is being used for navigation.

E—Indicates ephemeris data is available for the satellite.

T—Indicates the satellite is currently being tracked by your GPS receiver.

D—Indicates differential data is available for that satellite.

Notes:

- Differential data is available on WAAS-enabled devices.
- Almanac information is only available for DeLorme receivers.

Skyview

The Skyview diagram indicates visible satellites, their number (assigned by the Department of Defense), and their position in the sky relative to your current position. Each satellite is color coded, based on the quality of data it is transmitting.

Gray—Indicates the satellite's position in the sky.

Red—Indicates your GPS receiver is tracking the satellite, but it is not receiving data from it.

Yellow—(DeLorme GPS receivers only) Indicates your receiver is tracking the satellite, ephemeris data is available, but the satellite is not being used for navigation.

Green—Indicates your GPS receiver is tracking the satellite, ephemeris data is available, and the satellite is being used for navigation.

Dark Green—(WAAS-enabled receivers only) Indicates your receiver is tracking the satellite, ephemeris data is available, the satellite is being used for navigation, and the satellite has DGPS and WAAS corrections available.

Blue—(WAAS-enabled receivers only) Indicates a WAAS satellite used for corrections.

Tracking Your Route Directions


When tracking in Street Atlas USA 2005, you can follow along a road route you have created. As you travel, Street Atlas USA 2005 highlights the current leg (segment) of your route.




- To automatically recalculate your route when off track, select the **Auto** check box next to the Back on Track button in the New/Edit tab area. If you do not want the program to automatically recalculate your route when off track, just click **Back on Track**.
- The Turns option is only available during GPS tracking.
- You can only track route directions for a road route.

To Track a Route

Use the following steps to track a route.

1. Initialize your GPS receiver and begin tracking.
Note: This is not necessary if you have selected the **Auto Start GPS** check box on the Settings dialog area in the GPS tab.
2. Click the **Route** tab and then click **Directions**. The Route Directions dialog area displays.
3. Select the **GPS Track** check box (if it is not already selected).
4. Click the Expand to Maximum Height button  in the upper-right corner of the dialog box to expand the list view.
Note: To change a column header name and the information that displays in its list, click the column header. A shortcut menu displays all available options, with the currently selected item in bold. Select the desired column header.
5. To view next turn information, click **Show Turns**. The Show Turns dialog area displays the following:
 - A turn graphic indicating the direction of your next turn
 - Distance (in the format chosen in Units on the Map Display tab)
 - Time and distance until next turn
 - The estimated time of arrival (ETA) of your next stop

- The ETA of your finish
 - A turn graphic indicating the direction of the turn after your next turn ("turn after that")
 - The distance to the turn after your next turn
 - The time to the turn after your next turn
6. Click the Show More Turns button  to view information for the turn after the following turn.
 7. Click **Show Directions** to return to the Directions dialog area.

Automatic Pan

When using Street Atlas USA 2005 with a GPS receiver to track a route, your map automatically pans and redraws as you travel, always indicating your position on the map when Center on GPS is activated.

To Pan the Map Automatically

The following procedure demonstrates how the check box and button work together to automatically pan the map.

1. Click the **GPS** tab and then click **Settings**.
2. Under GPS Options, clear the **Auto Recenter on GPS** check box. If you pan the map manually during GPS tracking, Center on GPS displays in the Control Panel.
OR
Select the **Auto Recenter on GPS** check box. If you pan the map manually during GPS tracking, the map will automatically re-center itself on your location after 5 seconds.
3. Click **Start GPS**.

- The Center on GPS button displays (and is activated by default) on the Control Panel when the Auto Recenter on GPS option is selected.
- If you deactivate the Center on GPS button, you can continue to manually pan the map or use the search function in the Find tab.
- When you are done with other tasks, click Center on GPS to resume tracking.
- The Automatic Pan feature also works while playing back a log file.

Logging

Once you begin tracking with your GPS receiver, Street Atlas USA 2005 lets you log, or record, your route as you travel.



Use the steps in this topic if you have *not* selected the **Auto GPS Logging** check box under GPS Options.

To Log Your Route



Use the following steps to log your route.

1. Click the **GPS** tab and then click **GPS Log**. The GPS Log dialog area displays.
2. Click **Clear Trail** on the GPS Log dialog area to clear all GPS points from the map display.
3. Click **New** and type the desired file name into the Log drop-down text box.

OR

Select a log from the Log drop-down list.

Note: Log files have .gpl extensions and are saved in the *C:\DeLorme Docs\GPSLogs* directory by default.

4. Click the **Record** button  to begin logging.
5. Click the **Stop** button  when you want to stop logging.

To delete a log file, select the desired file from the Log drop-down list and then click **Delete**.

Playing Back a Log File

After you have logged a route with Street Atlas USA 2005 your GPS receiver, you can play it back and review your entire journey on-screen.

- You cannot play back a log file if you are currently tracking with a GPS receiver. On the GPS tab, click **Settings** and then click **Stop GPS** to stop tracking.
- Zooming in on the map allows you to see the log file in greater detail.

To Play Back a Log File





Use the following steps to play back and review a log file.

1. Click the **GPS** tab and then click **GPS Log**. The GPS Log dialog area opens.
2. Click **Clear Trail** on the GPS Log dialog box to clear any existing GPS points from the map display.
3. Select the desired log file from the Log drop-down list. Log files have .gpl extensions and are saved in the C:\DeLorme Docs\GPSLogs directory by default.

4. Click the Play button  to begin playing back your log.

Note: Playing back a log file defaults to 1x, which occurs in real time and takes the same amount of time as the original trip did (i.e., if your trip took six hours, the on-screen tracking process also takes six hours).

You can also:

- From the Playback Speed drop-down list, select the desired option (2x, 5x, 10x, 25x, or 50x) to increase the tracking speed accordingly.
- Click the Pause button  to pause the tracking of the log file. The Pause button turns blue to indicate the file is paused. Click the Play button to continue playing back the file.
- Click the Stop button  to stop the play back. If you click the Play button again, the file starts over.
- Click and hold the Rewind button  to rewind the log file the desired distance.
- Click and hold the Forward button  to fast forward the log file the desired distance.

Sending Route Information to a GPS Device

If you have a compatible GPS device, you can send route points or route directions to your GPS device using the Exchange Wizard in Street Atlas USA 2005.

To Send Route Points

Use the following steps to send route points to your GPS device.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.
3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Send to Device**.
6. Select **Route Points** from the Object drop-down list.
7. Click **Next**.
8. To avoid overwriting existing waypoints on your device, type a starting point for the new points and select the Prefix a Number to the Waypoint Name check box.
Note: Not all devices support starting points. See your device manual for more information.
9. Click **Send to Device**.
10. Repeat steps 7–9 for every route file you want to send to your device.
11. Click **Finish**.

To Send Route Directions

Use the following steps to send route directions to your GPS device.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.
3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Send to Device**.
6. Select **Route Directions** from the Object drop-down list.
7. Click **Next**.
8. Designate a route name and/or a route number for the file on the device (device dependent).
9. To avoid overwriting existing waypoints on your device, type a starting point for the new points and select the Prefix a Number to the Waypoint Name check box.
Note: Not all devices support starting points. See your device manual for more information.
10. Click **Send to Device**.
11. Repeat steps 8–10 for each route file you want to send to your device.
12. Click **Finish**.

Sending Draw Data to Your GPS Device

If you have a compatible GPS device, you can send draw data to your GPS device using the Exchange Wizard in Street Atlas USA 2005.

To Send Draw Data to Your GPS Device

Use the following steps to send draw data to your GPS device.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.
3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Send to Device**.
6. Select **Draw Data** from the Object drop-down list.
7. Click **Next**.
8. To avoid overwriting existing waypoints on your device, type a starting point for the new points and select the Prefix a Number to the Waypoint Name check box.
Note: Not all devices support starting points. See your device manual for more information.
9. Click **Send to Device**.
10. Repeat steps 8–9 for every route file you want to send to your device.
11. Click **Finish**.

Sending Waypoints to Your GPS Device

If you have a compatible GPS device, you can send waypoints to your GPS device using the Exchange Wizard in Street Atlas USA 2005.

To Send Waypoints

Use the following steps to send waypoints to your GPS device.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.

3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Send to Device**.
6. Select **User Map Data - Waypoints** from the Object drop-down list.
7. Click **Next**.
8. To avoid overwriting existing waypoints on your device, type a starting point for the new points and select the Prefix a Number to the Waypoint Name check box.
Note: Not all devices support starting points. See your device manual for more information.
9. Click **Send to Device**.
10. Repeat steps 8–9 for every route file you want to send to your device.
11. Click **Finish**.

Sending Tracks to Your GPS Device

If you have a compatible GPS device, you can send tracks to your GPS device using the Exchange Wizard in Street Atlas USA 2005.

To Send Tracks

Use the following steps to send tracks to your GPS device.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.
3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Data** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Send to Device**.
6. Select **User Map Data - Track** from the Object drop-down list.
7. Click **Next**.
8. Designate a track name or a track number for the file on the device (optional).
9. Click **Send to Device**.
10. Repeat steps 8–9 for every route file you want to send to your device.
11. Click **Finish**.

Receiving a Route From Your GPS Device

If you have a compatible GPS device, you can receive a route created on your GPS device using the Exchange Wizard. Once imported, the file can be used in Street Atlas USA 2005.

To Receive a Route

Use the following steps to receive a route from your GPS device.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.
3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Receive from Device**.
6. Select **Route** from the Object drop-down list.
7. Select **Route** from the Save As drop-down list.
8. Click **Next**.
9. Select the route name or route number on the device that you want to receive.

10. Optional: Type the new route name in the available text box.
11. Click **Receive from Device**.
12. Repeat steps 9–11 for every route file you want to receive from your device.
13. Click **Finish**.

Receiving a Track From Your GPS Device

If you have a compatible GPS device, you can receive a track created on your GPS device using the Exchange Wizard in Street Atlas USA 2005.



When you open a track you've imported from your GPS device in Street Atlas USA 2005, you may notice that the track does not join existing roads. Use the select tool in the Draw tab to snap the end node of the track to a road. For more information, see *Snapping Draw Objects* on page 70.

To Receive a Track as Draw Data

Use the following steps to receive a track from your GPS device and save it as draw data.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.
3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Receive from Device**.
6. Select **Track** from the Object drop-down list.
7. Select **Draw Data** from the Save As drop-down list.
8. Click **Next**.
9. Select the track name or track number on the device that you want to receive.
Note: Not all devices support downloading individual track logs. See your device manual for more information.
10. Optional: Type a label for your track in the Draw Label text box.
11. Click **Receive from Device**.
12. Repeat steps 9–11 for every track file you want to receive from your device.
13. Click **Finish**.

To Receive a Track as a Road

Use the following steps to receive a track from your GPS device and save it as a road.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.
3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Receive from Device**.
6. Select **Track** from the Object drop-down list.
7. Select **User Map Data - Road** from the Save As drop-down list.
8. Click **Next**.
9. Select the track name or track number on the device that you want to receive.
Note: Not all devices support downloading individual track logs. See your device manual for more information.
10. Optional: Type a label for your track in the Road Label text box.
11. Click **Receive from Device**.
12. Repeat steps 9–11 for every track file you want to receive from your device.
13. Click **Finish**.

To Receive a Track

Use the following steps to receive a track from your GPS device and save it as a track.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.
3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Receive from Device**.
6. Select **Track** from the Object drop-down list.
7. Select **User Map Data - Track** from the Save As drop-down list.
8. Click **Next**.
9. Select the track name or track number on the device that you want to receive.
Note: Not all devices support downloading individual track logs. See your device manual for more information.
10. Optional: Type a label for your track in the Track Label text box.
11. Click **Receive from Device**.
12. Repeat steps 9–11 for every track file you want to receive from your device.
13. Click **Finish**.

Receiving Waypoints From Your GPS Device

If you have a compatible GPS device, you can receive waypoints created on your GPS device and save them as draw data or as a waypoint file using the Exchange Wizard in Street Atlas USA 2005.

To Receive Waypoints as Draw Data

Use the following steps to receive waypoints as draw data from your GPS device.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.
3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Receive from Device**.
6. Select **Waypoints** from the Object drop-down list.
7. Select **Draw Data** from the Save As drop-down list.
8. Click **Next**.
9. Select the draw file you want to add the waypoint information to from the Draw File drop-down list. If you want to create a new draw file, select **New** from the Draw File drop-down list and type the new draw file name in the available text box.
10. Click **Receive From Device**.
11. Repeats steps 9–10 for each waypoint file you want to receive.
12. Click **Finish**.

To Receive Waypoints as a Waypoint File

Use the following steps to receive waypoints from your GPS device.

1. Connect your GPS receiver to your computer.
2. If you are using a third-party GPS receiver, you may have to use specific settings. For example, if you are using a GARMIN GPS receiver, set your GARMIN receiver interface to GRMN/GRMN. For more information, see your owner manual or *GPS Settings for Third-Party Devices* on page 92.

3. Click the **GPS** tab, click **Settings**, and then click **Exchange**. The Exchange Wizard displays.
OR
Click the **Map Files** tab and then click **Exchange**. The Exchange Wizard displays.
4. Under Device Type, select **GPS**.
5. Select **Receive from Device**.
6. Select **Waypoints** from the Object drop-down list.
7. Select **User Map Data - Waypoints** from the Save As drop-down list.
8. Click **Next**.
9. Click **Receive From Device**.
10. Click **Finish**.

Route

Route Overview

The Route tab in Street Atlas USA 2005 allows you to perform the following functions:



- Create a road route by adding start and finish points to your map.
- Add or insert vias and stops to your route.
- Schedule end of day and fuel breaks along the active route by using the Plan Trip subtab.
- Edit routes by:
 - Reordering the waypoints.
 - Adding, inserting, moving, or deleting stops and vias.
 - Reversing the order of the route, and so forth.
- View route directions for the active route as point-to-point bearings.

Creating a Route

Use the Route tab in Street Atlas USA 2005 to create a route, view route directions, edit a route, and so forth.

To Create a Route

Use the following steps to create a route.

1. Click the **Route** tab and then click **New/Edit**. The New/Edit Route dialog area displays.
2. Click the Start tool  and then click the point on the map where you want to begin your route.
OR
Type your start location in the Start drop-down text box. If you type an address, it must be in one of the following formats: street address, city, state **OR** street address, ZIP Code.
OR
Right-click the map location where you want to begin your route. A shortcut menu displays. Point to **Create Route** and then click **Set as Start**.
3. Click the Finish tool  and then click the spot on the map where you want to end your route.
OR
Type your finish location in the Finish drop-down text box. If you type an address, it must be in one of the following formats: street address, city, state **OR** street address, ZIP Code.
OR
Right-click the map location where you want to end your route. A shortcut menu displays. Point to **Create Route** and then click **Set as Finish**.
4. Select a route type (**Road-Shortest** or **Road-Quickest**) from the available drop-down list.
5. If you do not have the Auto Calc check box selected, click **Calculate**.
OR
If you do not have the Auto Calc check box selected, right-click the route, point to **Manage Route**, and then click **Calculate Road Quickest** or **Calculate Road Shortest** from the shortcut menu.
Note: If Street Atlas USA 2005 is unable to find an exact match for the item that you typed, a dialog box displays with a list of the closest matches. Scroll through the list of search results until you find the one you want to locate, click the item to select it, and then click **OK**.
6. Click **Directions** to view the route directions.
AND/OR
Click **Advanced** to display the advanced routing options.
AND/OR
Click **Plan Trip** to assign end of day or fuel breaks to your route.
AND/OR
Click **Back on Track** to add your current GPS position as a stop to the current route.

Adding and Inserting Stops and Vias




When routing in your Street Atlas USA 2005, you have the option of adding/inserting stops or vias in the route. A stop is a location in the middle of a route where you want to stop and then proceed from. A via is a road on the map that you want to specifically use when routing. Street Atlas USA 2005 lets you use stops and vias to route you through a particular place or along a particular road.




When using a road as a stop or via, be sure to zoom in so that the correct road is selected. The selected road segment becomes highlighted when clicked.

To Add a Stop or Via To Your Route

The Add Stop/Via function adds stops/vias in the order they are added to the route. Use the following steps to add a stop or via to your route.

1. Create a route.
2. In the New/Edit dialog area in the Route tab:
 - If adding a stop, verify the button next to the Stop tool  is labeled Add. If it is not labeled Add, click the arrow next to the button and select **Add** from the shortcut menu.
 - If adding a via, verify the button next to the Via tool  is labeled Add. If it is not labeled Add, click the arrow next to the button and select **Add** from the shortcut menu.
3. To add a stop, click the Stop tool  and then click the spot on the map where you want to stop on your route.

To add a via, click the Via tool , and then click the spot on the map where you want to route through.
OR

Type the stop location in the Stop (or Via) text box. If you type an address, it must be in one of the following formats: street address, city, state **OR** street address, ZIP Code.

OR

Right-click on the map area you want to add a stop to your route. A shortcut menu displays. Point to **Create Route** and then click **Add Stop** or **Add Via**.

4. If you have not selected the Auto Calc check box, click **Calculate** to recalculate your route to include the stop or via.

OR



If you do not have the Auto Calc check box selected, right-click the route, point to **Manage Route**, and then click **Calculate Road Quickest** or **Calculate Road Shortest** from the shortcut menu.



Note: If Street Atlas USA 2005 is unable to find an exact match for the item that you entered, a dialog box displays with a list of the closest matches. Scroll through the list of search results until you find the one you want to locate, click the item to select it, and click **OK**.

5. Click **Directions** to view the route directions.
AND/OR
Click **Advanced** to display the advanced routing options.
AND/OR
Click **Plan Trip** to assign end of day or fuel breaks to your route.
AND/OR
Click **Back on Track** to add your current GPS position as a stop to the current route.

To Insert a Stop or Via Into Your Route

The Insert Stop/Via function arranges stops/vias geographically in the route. Use the following steps to insert a stop or via to your route.

1. Create a route.
2. In the New/Edit dialog area in the Route tab:
 - If inserting a stop, verify the button next to the Stop tool  is labeled Insert. If it is not labeled Insert, click the arrow next to the button and select **Insert** from the shortcut menu.
 - If inserting a via, verify the button next to the Via tool  is labeled Insert. If it is not labeled Insert, click the arrow next to the button and select Insert from the shortcut menu.

3. To insert a stop, click the Stop tool  and then click the spot on the map where you want to stop on your route.
 To insert a via, click the Via tool , and then click the spot on the map where you want to route through.
 OR
 Type the stop location in the Stop (or Via) text box. If you type an address, it must be in one of the following formats: street address, city, state **OR** street address, ZIP Code.
 OR
 Right-click on the map area you want to insert a stop/via to your route. A shortcut menu displays. Point to **Create Route** and then click **Insert Stop** or **Insert Via**.
4. If you have not selected the Auto Calc check box, click **Calculate** to recalculate your route to include the stop or via.
 OR
 If you do not have the Auto Calc check box selected, right-click the route, point to **Manage Route**, and then click **Calculate Road Quickest** or **Calculate Road Shortest** from the shortcut menu.
Note: If Street Atlas USA 2005 is unable to find an exact match for the item that you entered, a dialog box displays with a list of the closest matches. Scroll through the list of search results until you find the one you want to locate, click the item to select it, and click **OK**.
5. Click **Directions** to view the route directions.
 AND/OR
 Click **Advanced** to display the advanced routing options.
 AND/OR
 Click **Plan Trip** to assign end of day or fuel breaks to your route.
 AND/OR
 Click **Back on Track** to add your current GPS position as a stop to the current route.

Changing the Properties of a Stop Along Your Route

You can change the properties of a stop along your route in Street Atlas USA 2005 by using the Stop Time function in the Advanced sub-tab under Route.

To Change the Properties of a Stop

Use the following steps to change the properties of a stop.

1. Click the **Route** tab and then click **Advanced**.
2. Click a stop from the waypoint list and then click **Stop Prefs**. The Stop Time Preferences dialog box displays.
3. To designate the stop as an end of day stop, select the **End of Day** check box, click **Apply**, and then click **Done**.
 AND/OR
 To designate the stop as a fuel break, select the **Fuel** check box, click **Apply**, select the **Duration** check box, select the duration of the fuel break using the Hrs and Mins drop-down lists, and then click **Done**.
Note: It is not necessary to allocate a fuel stop duration.

Viewing Route Directions

After you have created a route, you can view the accompanying route directions.

To View the Route Directions

Use the following steps to view the route directions.

1. Click the **Route** tab and then click **Directions** to open the Route Directions dialog area. The route directions display:
Note: You can click the header of a column to access a shortcut menu that allows you to select which type of information you want to display in each column.
2. Click a leg to select it and then click **Go To** to center the map on the leg.
 OR
 Double-click a leg to center the map on the leg.

When tracking with a GPS receiver, you can click the GPS Track option to follow along with the route directions in real time as you travel. Click **Show Turns** to display the current distance and time to your finish.

Tracking Your Route Directions



When tracking in Street Atlas USA 2005, you can follow along a road route you have created. As you travel, Street Atlas USA 2005 highlights the current leg (segment) of your route.



- To automatically recalculate your route when off track, select the **Auto** check box next to the Back on Track button in the New/Edit tab area. If you do not want the program to automatically recalculate your route when off track, just click **Back on Track**.
- The Turns option is only available during GPS tracking.
- You can only track route directions for a road route.

To Track a Route

Use the following steps to track a route.

1. Initialize your GPS receiver and begin tracking.
Note: This is not necessary if you have selected the **Auto Start GPS** check box on the Settings dialog area in the GPS tab.
2. Click the **Route** tab and then click **Directions**. The Route Directions dialog area displays.
3. Select the **GPS Track** check box (if it is not already selected).
4. Click the Expand to Maximum Height button  in the upper-right corner of the dialog box to expand the list view.
Note: To change a column header name and the information that displays in its list, click the column header. A shortcut menu displays all available options, with the currently selected item in bold. Select the desired column header.
5. To view next turn information, click **Show Turns**. The Show Turns dialog area displays the following:
 - A turn graphic indicating the direction of your next turn
 - Distance (in the format chosen in Units on the Map Display tab)
 - Time and distance until next turn
 - The estimated time of arrival (ETA) of your next stop
 - The ETA of your finish
 - A turn graphic indicating the direction of the turn after your next turn ("turn after that")
 - The distance to the turn after your next turn
 - The time to the turn after your next turn
6. Click the Show More Turns button  to view information for the turn after the following turn.
7. Click **Show Directions** to return to the Directions dialog area.



Editing a Route

Street Atlas USA 2005 allows you to modify the active route by:

- Adding, removing, and rearranging stops and vias.
 - Adjusting your route preferences based on road type.
 - Customizing your route based on your driving style and speed.
- Zoom in to set accurate points for your route.

To Edit a Route





To edit a route, click the **Route** tab and then click **Advanced**. The Advanced dialog area displays. The following list describes the edit functions available.

- To change your start or finish point, click the corresponding tool, the Start tool  or the Finish tool , and then click the new spot on the map.

OR

Select the Start or Finish point on the map and drag it to the desired location on the map.

Note: If you try to add a start or finish point to an existing route, you are prompted "Would you like to move your Start/Finish location or create a new route" Click **New** if you want to begin creating a new route. Click **Move** to move the Start/Finish point to the last location clicked.

- To add/insert a stop or via to your route, click the corresponding tool, the Stop tool  or the Via tool , and then click the spot on the map where you want to add/insert your stop/via.
- To rearrange stops and vias, click the desired waypoint to select it and then click the Move Up  or Move Down  tools to relocate it in the route.
- To delete a stop or via, select the desired stop or via and then click the delete button.
- To change a stop to a via, select the desired stop and click **Make Via**. To change a via to a stop, select the desired via and then click **Make Stop**.
- Click **Reverse Rte** to reverse the order of all of the waypoints in the route.
- Click **Calculate**, if you do not have the Auto Calc check box selected in the New/Edit subtab.
- Click **Comments** to add an alternate name to your start, finish, stop, or via.
Note: Press CTRL+ENTER to type additional lines of text.
- Click **Stop Prefs** to make a stop in your route a fuel or end of day stop. For more information, see *Setting Your End of Day and Fuel Break Preferences* on page 111.

Setting Your Routing Preferences

Once you have mastered basic routing, you can customize your routing preferences and create a more complex route.

The routing preferences allow you to tell Street Atlas USA 2005 whether you would like to favor or avoid various road types when calculating your route. You can also set your speed preferences to reflect your particular driving style.

To Set Your Routing Preferences

Use the following steps to set your routing preferences.

1. Click the **Route** tab and then click **Advanced** to open the Advanced Routing dialog area.
2. Click **Route Prefs** to display the Route Preferences dialog area.
3. From the Road Type drop-down list, select the road type for which you want to set preferences.
4. From the Routing Preference drop-down list, select **Preferred**, **Standard**, or **Avoid**. Preferred tells it to favor this type of road whenever possible, Standard is the default level, and Avoid tells Street Atlas USA 2005 to avoid this type of road whenever possible.
Note: An avoided road may be used if there is no other road type available.
5. In the Speed text box, type your average driving speed for this road type.
Note: Street Atlas USA 2005 uses these speeds to compute the travel time for a route.
6. In the Urban Speed text box, type your average driving speed for this road type within urban area.
Note: Street Atlas USA 2005 uses these speeds to compute the travel time for a route. The Urban Speed text box is only available for road routes.
7. Repeat steps 3–6 for each road type.
 - When you are finished setting your road preferences, click **Review** to display all your settings.
 - Click **Use Defaults** to restore all road types to the Standard preference level.
8. Under Route Features, select one or all of the following check boxes:
 - **Automatic Calculation**—Automatically recalculates your route each time you make a change to it.
 - **Show Location MapNotes**—Displays Location MapNotes with their coordinate information for each point in your route.
 - **Show Comments MapNotes**—Displays comments about your route.
 - **Show Summary MapNotes**—Displays time and distance information for each waypoint and the finish point of your route.
 - **GPS Voice Navigation**—Provides spoken route directions when you are tracking with a GPS receiver. After initializing, the computer speaks the directions for the next turn in your route. It repeats the instructions approximately 60 seconds prior to arriving at the turn.

- **Display Waypoint Labels**—Displays start/stop/via/finish labels on the map when the route is created.
 - **Display Route Vias**—Shows or hides your route vias on the map.
 - **Include State Borders**—Shows or hides state borders in your route directions.
9. Click **Done** when you are finished setting your preferences.


Editing Roads

Street Atlas USA 2005 allows users to change the characteristics of any road on their map to:

- Two Way
- One Way N or E
- No Left Turn N or E
- No Right Turn N or E
- No Way
- One Way S or W
- No Left Turn S or W
- No Right Turn S or W

To Edit a Road

Use the following steps to edit a road.

1. Click the **Route** tab and then click **Advanced** to open the Advanced Routing dialog area.
2. Click **Edit Roads**.
3. Select the **Display Road Edits** check box to show existing road edits on the map.
4. Click the Select tool  and select the road on the map you wish to edit.
5. Select a direction.
 - If you select **Two Way**, you can also select a No Left Turn option, a No Right Turn option, or a One Way option.
 - If you select a **One Way** option, you can select a No Left Turn option or a No Right Turn option.
 - If you select **No Way**, no other options can be selected.

Note: Click **Default** to change the road properties to the default settings. Click **Clear All Edits** to remove all road options and return all road properties to their default settings.

6. Click **Done**.

Labeling a Waypoint with a MapNote

With the right-click option in Street Atlas USA 2005, you can add any of the following MapNotes to a start, finish, stop, or via on your route:

- **MapNote**—Displays an uneditable MapNote with the name of the waypoint location.
- **Detailed MapNote**—Displays an uneditable MapNote with the name, feature name, feature category, and ZIP Code of the waypoint location.
- **Where Am I MapNote**—Displays an uneditable MapNote with the city, county, state, and ZIP Code for the waypoint location.
- **Coordinate MapNote**—Displays an uneditable MapNote with the coordinates for the waypoint location.
- **Blank MapNote**—Displays a blank, editable MapNote.

To Label a Waypoint

Use the following steps to label a waypoint.

1. Position your cursor over the start, finish, stop, or via you want to label.
2. Right-click to display the shortcut menu.
3. Point to **Add MapNote** and then click the MapNote of your choice. The MapNote displays on your map.

Note: To edit a MapNote, right-click the MapNote, point to **Manage Draw**, and then click **Edit Draw Object Text**.

Clearing a Route

Street Atlas USA 2005 allows you to clear a route from the map view.

To Clear a Route

Use the following steps to clear a route from the map view.

1. Click the **Route** tab and then click **New/Edit**. The New/Edit Route dialog area displays.
2. Click **Clear Route**. The route is cleared from the map view.

To Clear a Route Using Right-Click Functionality

Use the following steps to clear a route from the map view.

1. Right-click a route on the map. A shortcut menu displays.
2. Click **Manage Route** and then click **Clear Route**. The route is cleared from the map view.

Setting Your End of Day and Fuel Break Preferences

Street Atlas USA 2005 allows you to schedule end of day and fuel breaks along a route by using the Plan Trip option in the Route tab. You can schedule end of day breaks according to the miles (or other distance unit selected in Map Display) or hours driven and you can schedule fuel breaks according to your current fuel level, your vehicle's fuel consumption rate, and so forth.

This feature of Street Atlas USA 2005 works with the route preferences you have designated with the Route Preferences option under Route. For more information, see *Setting Your Routing Preferences* on page 109.

To Set Your End of Day and Fuel Stop Preferences

Use the following steps to set your time preferences.

1. Create a route.
2. Click the **Route** tab and then click **Plan Trip** to open the Plan Trip dialog area.
3. Select the **Estimate End of Day Breaks** check box to schedule end of day breaks for your trip. (This step is optional.)
 - Select **Hours per day** to schedule your end of day breaks after a designated number of hours traveled per day. Then, type the amount of hours you want to travel per day in the available text box. Use the Flexibility drop-down list to determine the amount of time you want to be flexible between breaks and defined stops. For example, if you selected 1.5 Hrs from the Flexibility drop-down list and have an end of day break within 1.5 hours of a planned stop, the end of day break is moved to the planned stop.

OR

 - Select **mi per day** to schedule your end of day breaks after a designated number of miles traveled per day. Then, type the number of miles you want to travel per day in the available text box. Use the Flexibility drop-down list to determine the number of miles you want to be flexible between breaks and defined stops. For example, if you selected 50 mi from the Flexibility drop-down list and have an end of day break within 50 miles of a planned stop, the end of day break is moved to the planned stop.

Note: The distance units used here are based on those selected on the Units dialog area in the Map Display tab. For more information, see *Setting Units of Measure Preferences* on page 126.
3. Select the **Estimate Fuel Breaks** check box to schedule fuel breaks for your trip. (This step is optional.)
 - Type the fuel tank capacity (in gallons) in the Tank Cap text box.
 - Type the fuel consumption rate (in miles per gallon or the distance unit you have selected on the Units dialog area in the Map Display tab) for your vehicle in the Fuel Rate text box.
 - Select the amount closest to your current fuel tank level from the Starting Level drop-down list.
 - Select the amount of fuel you would like to have in your tank when warned to stop for fuel from the Warning Level drop-down list.
4. Click **Apply**.

Estimating the Fuel Cost of Your Route

The Plan Trip subtab of the Route tab lets you estimate the fuel cost of your route using the fuel rate (how many gallons of fuel your vehicle uses per mile/kilometer traveled) and fuel price per gallon.

To Estimate the Fuel Cost of Your Route

Use the following steps to estimate the fuel cost of your route.

1. Create a route.
2. Click the **Plan Trip** subtab (in the Route tab). The Plan Trip dialog area displays.
3. Click **Fuel Cost**. The Fuel Cost Estimate dialog box displays.
4. Type the fuel rate for your vehicle in the Fuel Rate text box. The fuel rate can often be found in the vehicle's owners manual.
5. Type the price of your fuel in the Fuel Price text box. The estimated fuel cost (in U.S. dollars) for your route automatically calculates when the Fuel Rate and Fuel Price text boxes are populated. The estimated fuel cost for your route displays in the Total Fuel Cost field.
6. Click **Close** to close the dialog box and return to the Plan Trip subtab.

Info

Getting Information About Map Features

The Street Atlas USA 2005 status bar (located above the tab area) displays point of interest name (if applicable), street name/address, highway, city, state, and ZIP Code information for the map location that your cursor is positioned on.

You can also right-click a point, symbol, feature, or area on the map to identify it and view detailed information about it. The type of descriptive information varies, depending on the item you have right-clicked. You can also copy the information and paste it into another program, such as a word processor.

To Get Information About a Map Feature Using Right-Click Functionality

Use the following steps to get information about a particular map feature.

1. Right-click the desired map feature, such as a road, town, or point of interest. The right-click options available for that type of feature display.
2. Click **Info**. A list of information categories display.
Note: Descriptive information may include a name or feature type, telephone number, length/area, URL, ZIP Code, town name, county name, state, coordinates, and so forth.
3. Click the plus sign next to each of the information categories to expand the category to view more detailed information.
OR
Right-click in the information box and click **Expand All** to expand all of the information categories. Right-click in the information box again and click **Collapse All** to minimize all of the information categories.
4. Optional: Right-click in the information box and click **Print** to print your map feature information.

To Copy Map Feature Information into Another Program

Use the following steps to copy the data in the Info tab and paste it into another program, such as a word processor.

1. Select the desired text by dragging across it.
OR
If you want all the information in the dialog area, right-click the information box and then click **Select All**.
2. Right-click the information box with the selected text and then click **Copy**.
OR
Press CTRL+C on your keyboard.
3. Open or switch to the program where you want to paste the text.
4. Right-click the selected location and then click **Paste**.
OR
If the program you are pasting information into has a menu bar, under the Edit menu, click **Paste**.

Voice

Voice Overview

Equipped with speech recognition and text-to-speech technology, Street Atlas USA 2005 lets you issue a series of voice commands to a laptop computer. The voice commands activate basic navigation, map control, and GPS features, providing you with hands-free program navigation so you can concentrate on your driving. When tracking with a GPS receiver, you can receive spoken updates about your route directions, next turn, next stop, current location, etc.

To Use Speech and Text-to-Speech Recognition

Use the following steps to use speech recognition and text-to-speech. For more information, see additional topics in the Voice section of this Help system.

1. Click the **Voice** tab.
2. Click **Input Prefs** to select a speech recognition (voice) engine, set the voice model for the current user, and to train the speech recognition engine to recognize your specific speech patterns.
3. Click **Monitor** and select the Microphone check box to activate your microphone, display status information, and display the voice command list.
4. Click **Output Prefs** to change and preview the tone and quality of the computer's voice.

- The "Voice" label on the Voice tab will display red when the microphone is activated.
- Street Atlas USA 2005 comes equipped with Microsoft English Recognizer Version 5.1. Other speech recognition engines, which you may have purchased separately, can also be used. Such speech recognition engines must support SAPI 5.1 in order to be available to you in Street Atlas USA 2005. See the Speech settings in the Windows Control Panel for more information about your engine.
- You must have a microphone attached to your computer to use speech recognition (for input).
- For tips on using the speech recognition feature and setting up your microphone, see *Speech Recognition Tips* on page 119.
- If you are having difficulty hearing the voice output, adjust the volume on your external speakers or adjust your computer's volume using the settings in the Windows Control Panel.
- When you installed Street Atlas USA 2005, you were asked whether or not to install a speech recognition engine for voice input. If you want to use voice input in Street Atlas USA 2005 and selected not to install a speech recognition engine when you installed the program, you must uninstall and then reinstall Street Atlas USA 2005 (making sure to select to install the speech recognition engine).
- Windows 98 Users: If you use the Speech icon in the Windows Control Panel to modify speech engine properties for your computer, there may be two "Speech" icons in your Windows Control Panel. Please ensure that you choose the newer speech engine properties dialog. The dialog contains separate tabs labeled "Speech Recognition" and "Text to Speech". The older dialog contains only a "Speech" tab.

Activating and Monitoring Voice Recognition

The Monitor dialog area in the Voice tab lets you view status information about your microphone and the list of available voice commands.



- The Microphone bar (VU meter) indicates the level of sound received from the microphone.
- The Command Status section displays either the last recognized voice command or one of the following error messages:
 - Too noisy
 - No signal
 - Input too loud
 - Input too quiet
- The Commands list box lists the voice commands for accessing the Voice tab, navigating, using the map, and using GPS.

To Activate and Monitor the Speech Recognition Feature

Use the following steps to activate and monitor the speech recognition feature.

1. Click the **Voice** tab and then click **Monitor** to display the Monitor dialog area.
2. Select the **Microphone** check box to activate your microphone and to turn on the speech recognition feature.

Note: If your microphone is active when you exit Street Atlas USA 2005, it will still be active when you re-enter the application.

3. To trigger an audible signal when a voice command is recognized, select the **Beep When Heard** check box.
4. To display all of the possible voice commands, including variations of the commands, select the **Show All Commands** check box. Both enabled  and disabled  commands are displayed.

Training the Speech Recognition Engine

You should train the speech recognition engine to provide good speech recognition results.

Before training, ensure your microphone is active and the speech recognition feature is on.

To Train the Engine to Recognize Your Speech Patterns

You should train the speech recognition engine to recognize your specific speech patterns. This is often done by reading a predetermined piece of text supplied by the creator of the speech recognition engine. If the engine supports multiple user models, you can train the engine to recognize more than one speech pattern.

Use the following steps to train the speech recognition engine to recognize your speech patterns.

1. Click the **Voice** tab and then click **Input Prefs** to display the Input Preferences dialog area.
2. Select the microphone you intend to use from the Microphone drop-down list.
3. Select your preferred speech recognition engine from the Recognizer drop-down list.
Note: Select the most recent version available in the drop-down list.
4. Select your preferred user voice model from the User Profile drop-down list.
5. Click **Options** and then click **Voice Training** to display the speech training wizard specific to your voice recognition engine.
Note: This feature is only available if it is supported by your speech recognition engine.
6. Follow the on-screen instructions.

For best results:

- Use a close-talk microphone that rests near the side of your mouth instead of a desktop or built-in microphone.
- Train the voice recognition engine in the same environment in which you will use it. For example, if you use the engine mostly in the car, perform training in the car. Performing three training sessions provides the best results.
- When training, speak the same voice as you will when giving voice commands to the computer. Speak distinctly and at an average speed, as if giving a command.
- Use the Microphone Wizard to ensure your microphone is working correctly and to view tips on microphone selection and placement. To use the wizard, click **Options** and then click **Microphone Startup**. Or, from the Start menu, you can point to **Settings** and then click **Control Panel**. Double-click the **Speech** icon to display the Speech Properties dialog box.
- To increase the likelihood of correct voice recognition, in the Input Prefs dialog area select the **Commands must start with** check box. Click **Set Phrase** and type the appropriate word/phrase in the available text box. For example, if you type **computer**, you would then say "Computer, zoom in."

Voice Commands

Street Atlas USA 2005 includes navigation, map, GPS, and Voice tab control commands. Select the **Show All Commands** check box to view all options, including those which are variations or unavailable.

A blank cell indicates a shortcut key is not available for that spoken command.

Navigation Commands

The following table shows Navigation voice commands and their shortcut keys.

Spoken Command	Key	Response
What is the next turn?	F5	Speaks the next turn name, time to turn, distance to turn, bearing to turn, and turn direction. Displays the Directions subtab in the Route tab.
Next turn.		
What's the next turn?		
Show (my, the) next turn.	CTRL+F5	Displays current location and next turn. Displays the Directions subtab in the Route tab.
Center on (my, the) next turn.	ALT+F5	Centers map on the next turn. Displays the Directions subtab in the Route tab.
What is the next stop?	F9	Speaks the next stop name, distance to stop, bearing to stop, and time to stop. Displays the Directions subtab in the Route tab.
Next stop.		
What's the next stop?		
Show (my, the) next stop.	CTRL+F9	Displays current location and next stop. Displays the Directions subtab in the Route tab.
Center on (my, the) next stop.	ALT+F9	Centers map on the next stop. Displays the Directions subtab in the Route tab.
After that.		Speaks the next stop or turn information, depending on the previous spoken direction.
Are we there yet?	F7	Speaks the finish name, time to finish, and distance to finish.
Show (my, the) finish.	CTRL+F7	Displays current location and finish on the map.
Center on (my, the) finish.	ALT+F7	Centers map on the finish. Displays the Directions subtab in the Route tab.
Directions.	CTRL+F8	Speaks the next turn, next stop, finish, name, time, and distance. Displays the Directions subtab in the Route tab.
Where am I?	F8	Speaks current route segment, heading, speed, town, county, and state.
Coordinates.		Speaks the coordinate of your current location.
Shush.	CTRL+E	Silences GPS voice navigation, but does not turn it off.
Be quiet.		Silences GPS voice navigation, but does not turn it off.
(Turn) voice nav on/off.	CTRL+D	Turns voice navigation on or off.
Show (my, the) route.		Displays your route on the map.
Back on Track.		Adds current GPS location as a stop and recalculates the route.
Continue (my, the) route from here.		Adds current location as a stop and recalculates the route.
Show turns.		Activates the Show Turns dialog area in the Route tab.
Show directions.		Activates the Directions subtab in the Route tab.

Map Commands

The following table shows Map voice commands and their shortcut keys.

Spoken Command	Key	Response
Pan (map, the map) left.	ALT+LEFT ARROW	Pans (or scrolls) the map left.
Scroll (map, the map) left.		
Pan (map, the map) right.	ALT+RIGHT ARROW	Pans (or scrolls) the map right.
Scroll (map, the map) right.		
Pan (map, the map) up.	ALT+UP ARROW	Pans (or scrolls) the map up.
Scroll (map, the map) up.		
Pan (map, the map) down.	ALT+DOWN ARROW	Pans (or scrolls) the map down.
Scroll (map, the map) down.		
Zoom in.	ALT+PAGE DOWN	Zooms in one level.
Zoom in 1 time.		
Zoom out.	ALT+PAGE UP	Zooms out one level.
Zoom out 1 time.		
Zoom in <1-x> times.		Zooms in the specified number of levels.
Zoom out <1-x> times.		Zooms out the specified number of levels.
Zoom level <2-x>.		Zooms to specified level.
Previous Map.		Displays the previous map.
Go back.		

GPS Commands

The following table shows GPS voice commands and their shortcut keys.

Spoken Command	Key	Response
Start (my, the) GPS.	CTRL+G	Starts GPS tracking.
Stop (my, the) GPS.		Stops GPS tracking.
GPS Status.		Displays the GPS Status subtab.
Monitor GPS.		Displays the GPS Monitor subtab.
Center (my, the) on GPS.	CTRL+W	Recenters the map on the current GPS location.
Stop Centering on (my, the) GPS		Stops the map from recentering on your current GPS location.
Stop Center on (my, the) GPS		
Clear GPS.		Clears the GPS "bread crumb trail" from the map.
(Turn) Autorotate Map On/Off.		Turns automatic map rotation on/off.



Voice Tab Commands

The following table shows Voice Tab voice commands and the response.

Spoken Command	Response
What can I say?	Displays the Monitor dialog box.
More commands.	Displays next page of voice commands.
Again.	Repeats your last spoken direction.

Speech Recognition Tips

The following tips provide information on using the speech recognition feature and setting up your microphone.

- Voice commands are only active when Street Atlas USA 2005 is the active window.
- An enabled command appears with this symbol . Commands become enabled based on your current GPS status, your data zoom level, and other factors.
- A disabled command appears with this symbol .
- Holding your pointer over a command displays a ToolTip for that command.
- Avoid noisy environments when using voice command navigation.
- Use a close-talk microphone for best speech recognition results.
- Properly position your microphone to achieve the best speech recognition results. For a close-talk microphone, the recommended position is a thumb-width from the corner of your mouth and slightly to the side. For more information, see the note at the end of this topic.
- Speak the same voice as you will when giving voice commands to the computer.
- Maintain the manner of speech used in training the voice recognition engine.
- Keep the microphone as far as possible from the car radio or console, computer speakers or other speakers.
- If your microphone is near your speakers, and you are using the microphone together with voice reminders (GPS VoiceNav), the program may recognize some of the words that it is speaking and react to them. Here are ways to eliminate this problem:
 - Make sure that you have chosen the Voice Output device (speakers, headset) and the Input device (on-board microphone, headset microphone) that you intend to use with DeLorme GPS voice navigation. Use the selections that are available in the Input Prefs and Output Prefs subtabs.
 - If more than one speech recognizer is available in the drop-down list, choose the most recent (highest version number).
 - Your best voice recognition responses will always be to use a close-talk microphone with voice output using the laptop speakers rather than a headphone speaker so that the computer will not "hear itself."
 - If you are speaking with someone else in the room, have a radio or television on, and so on, the computer may think those sounds are commands to follow. Only select the Microphone check box on the Voice tab when you intend to use it (press the F4 key on your keyboard to toggle the microphone on/off at any time). If you exit the program with the Microphone check box selected, the program will start voice recognition again when you restart the program. Voice recognition requires a lot of disk space and slows down the system if you are not using it.
 - Use the "Simon Says" feature to clearly distinguish commands from other noise and speech. In the Input Prefs subtab (of the Voice tab), set the "Commands start with" phrase to something like "computer" or "Simon Says" to reduce the chances of an unexpected command recognition. When choosing a phrase, make sure that it is more than one syllable. The phrases "Computer" or "Simon Says" work well. But the simple word "Map" probably will not.
 - The sensitivity of some voice engines can be tuned using the Engine Properties button in the Input Prefs subtab.
 - Train the voice recognition system in the environment in which you will use it (for example, in a noisy car).

To find out the proper position for your microphone model, or to find tips on how to purchase a microphone, click **Options** and then click **Microphone Startup**. Or, from the Start menu, you can point to **Settings** and then click **Control Panel**. Double-click the **Speech** icon to display the Speech Properties dialog box.

Changing Voice Output

Street Atlas USA 2005 offers text-to-speech technology so you can receive spoken updates about your route directions, next turn, next stop, current location, time to finish, or current coordinates when tracking with a GPS receiver. Text-to-speech allows hands-free navigation of the Street Atlas USA program on your computer. Use your text-to-speech engine to change and preview the tone and quality of the computer's voice.

To Change the Voice Output

Use the following steps to change your computer's voice.

1. Click the **Voice** tab.
2. Click **Output Prefs**. The Output Prefs dialog area displays.
3. From the Voice drop-down list box, select a voice from the list of options. A description of the selected voice displays to the right of the drop-down list box.
4. From the Device drop-down list box, select the output device from which you want to hear the computer's voice (for example, your speakers or a headset).
5. To preview the voice, click **Options** and then click **Test Voice**, type a sample sentence, and then click **OK**. The sample sentence is spoken in the selected voice.
6. Use the Voice Volume spin box to adjust the output volume relative to the other programs you are running. By default, this is set to 100 (maximum). Note that you cannot set the volume higher than your speakers or Windows Control Panel settings capabilities.
7. Use the Speaking Rate spin box to adjust the rate at which the computer's voice will speak. A value of 50 is normal.

You can click **Stop Speaking** or press CTRL+E to halt the currently speaking voice at any time. Use CTRL+D to enable/disable voice output entirely.

Voice Preferences

The Input Prefs and Output Prefs dialog areas, accessed by the Input Prefs and Output Prefs buttons, display a series of Engine Option buttons. These option buttons allow you to view information or change preference settings in your speech recognition or text-to-speech engines.

- **Input Prefs**—Lets you select a speech recognition engine, choose the microphone, set the voice model for the current user, and train the speech recognition engine to recognize your specific speech patterns.
- **Output Prefs**—Lets you select a voice for spoken output, choose the output device, and provides a description of each selection.

Some speech recognition or text-to-speech engines do not support some of the preference options.

To View and Update Input Preferences

To change speech input preferences, click the **Voice** tab and then click **Input Prefs** to display the Input Preferences dialog area. Following are the preference buttons available under Engine Options and a description of each.

- **Add/Delete Words**—Choose to display the pronunciation wizard specific to your speech recognition engine and enter, edit, or view the words in your pronunciation vocabulary.
- **Voice Training**—Choose to access the speech recognition training engine to train the engine to recognize your speech patterns. This process may take 10–15 minutes to complete.
- **Microphone Setup**—Choose to display a wizard to adjust voice recognition whenever you change microphone or noise environments.
- **Recognizer Settings**—Choose to change preferences for sensitivity and tolerance of errors in recognizing your voice.

Note: Street Atlas USA comes equipped with Microsoft English Recognizer Version 5.1. You may have a more recent version (for example, Microsoft Office 2003 installs Microsoft English U.S. Version 6.1 Recognizer). Select the most recent version.

To View and Update Output Preferences

To change speech input preferences, click the **Voice** tab and then click **Output Prefs** to display the Output Preferences dialog area. Click the Options button and choose from the available preferences:

- **Test Voice**—Choose to display the preview voice dialog box for your text-to-speech engine. Type in a sentence and click **OK** to hear it spoken.
- **Audio Volume**—Choose to adjust the speaker volume for all programs on your computer. This is equivalent to the same adjustment in the Windows Control Panel.
- **Stop Speaking (CTRL+E)**—Click to cause the text-to-speech engine to stop speaking the current piece of information.

Map Display

Map Display Overview

Street Atlas USA 2005 lets you customize the appearance of certain map features and units of measurement to meet your individual preferences. You can even create a set of custom features.

To set your preferences, click the **Map Display** tab and then click:

- **Features** to select which features display on the map, such as minor places, grids, one-way streets, ZIP Codes, and so forth.
Note: The Features dialog area includes an advanced feature, where you can choose how hundreds of types of map objects display on the map. Select the **Use Custom Points of Interest** check box and then click **Customize POIs** to create a custom set of map features.
- **Display** to change map magnification, to change the appearance of the map from the default colors to high-contrast colors, or to change the data zoom level at which large POIs display on the map.
- **Units** to change the units of measurement, the bearing (true north or magnetic north), and the coordinate format.

Setting Map Feature Preferences

Street Atlas USA 2005 lets you change the display of a wide variety of map features so you can customize your map to meet your specific needs.

You can choose to display or hide county borders, exits, grids, international labels, the map center crosshair, one-way streets, places (minor), points of interest, roads (minor), town borders, urban areas, and ZIP Code boundaries. For a short description of each of these features, click the feature name and view the description in the information box.

You can also customize your map features by selecting the **Use Custom Points of Interest** check box and clicking **Customize POIs**.

To Set Basic Map Feature Preferences

Use the following steps to change the basic map feature preferences. Changes made to the map view display almost immediately after selection.

1. Click the **Map Display** tab to open the Map Display dialog area.
2. Click **Features** to view the map feature options. Under Features, a check mark indicates a feature is displaying on the map.
3. Select the check box next to the map feature you want to display on the map.
OR
Clear the check box next to the map feature you want to hide on the map.



If you cannot make changes to these basic preference check boxes, verify the **Use Custom Points of Interest** check box is not selected.

To Set Custom Points of Interest

This is an advanced feature which lets you create a specific, custom set of points of interest for your map display from hundreds of options. Note that changes are not visible until you click the **Done** button.

1. Click the **Map Display** tab and then click **Features**.
2. Select the **Use Custom Points of Interest** check box and then click **Customize POIs** to display the custom options.

Note: Custom POI selections **override** selections in the basic Map Features list.

3. To quickly search for a particular type of POI, type the name of the desired item in the Search text box. A list of matching keywords displays and corresponding POI types are listed in the Search Results window. Results for number of keywords and types found also displays.

A check mark indicates the feature type displays on the map.

- Select/clear the individual POI check box to show/hide that feature and to center the directory tree (far-left window) on that type.
- Click the small **None** button to the right of the Search Results window to show none of the POI types listed.

- Click the small **All** button to the right of the Search Results window to display all of the POI types listed.
 - Click **Only** to display only those POI types listed in the Search Results window.
 - Click **Exclude** to display all POI types except those listed in the Search Results window.
4. To use the map feature tree to select which features display on the map, click the plus signs to expand the individual branches. A check mark indicates the POI type displays on the map.
Note: Some branches expand further than others. Selecting/clearing a check box at a certain branch of the tree shows/hides all the items below that level.
- Select/clear the individual POI check box to show or hide that POI.
 - Click **All** to select all POIs in the program.
 - Click **None** to select none of the types in the program.
- Note:** A small number of POIs cannot be turned off. They are part of the base map display and cannot be changed. This explains why certain levels on the tree remain unavailable (appear dimmed or gray).
5. When you are finished editing the custom POIs, click **Done**. Your map view updates, displaying only those POIs you have selected.

When you save the current Map File, the following map feature preferences are saved in reference to map features:

- (Major) map features preferences.
- Individual custom POI preferences.
- The choice to use basic map feature or custom POI preferences for that Map File.

Map Feature Option Descriptions

The following items are available for selection in the Features dialog area of the Map Display tab. Shorter descriptions of these features are available in the information box to the right of the Features selection area.

Points of Interest (Major)

View many different travel-related points of interest including accommodations, businesses, banks, gardens, hospitals, museums, recreational areas, theaters, and zoos. To customize the points of interest categories, select the **Custom POIs** check box and then click **Edit POIs**.

Points of Interest (Minor)

View general points of interest including educational, technology, government, and religious buildings/locations. To customize the points of interest categories, select the **Custom POIs** check box and then click **Edit POIs**.

ZIP Codes

ZIP Code boundaries display at data zoom level 8-0 and greater, with ZIP Code labels displaying at data zoom level 10-0 and greater.

One Ways

One ways display as bright green triangles on roads, pointing toward the direction of travel (most noticeable in large cities). They are available at data zoom level 13 or greater.

County Borders

View shaded outlines of counties at data zoom levels 7-0 or greater.

Exits

View exits (yellow squares) and exits with services (blue squares) on primary limited access roads, interstates, and toll roads. Available at data zoom level 10-0 or greater.

Grids

The Grids option can be used to identify coordinate points on the map. Grid lines automatically adjust for the data zoom level of your map and are available beginning at data zoom level 3-0.

Places (Minor)

Places (minor) include smaller towns (beginning at data zoom level 5-0); subdivisions (10-0) and locales, small islands, and natural landmarks, such as a desert (11-0).

Roads (Minor)

View secondary roads at data zoom level 7-0 and greater. View local and rural routes, trails and foot trails at data zoom level 11-0 and greater.

Town Borders

View town borders at data zoom level 10-0 and greater for the following states:

Arkansas	Louisiana	Mississippi	North Carolina	Vermont
Connecticut	Maine	Missouri	North Dakota	Virginia
Illinois	Maryland	Nebraska	Ohio	Washington DC
Indiana	Massachusetts	New Hampshire	Pennsylvania	West Virginia
Iowa	Michigan	New Jersey	Rhode Island	Wisconsin
Kansas	Minnesota	New York	South Dakota	

Urban Area Color

Displays a shaded map area in populated regions.

International Labels

View country labels at data zoom levels 2-0 through 5-0.

Map Center Crosshair

The map center crosshair indicates the map center at any data zoom level.

Changing the Map Display

This Help topic describes the steps necessary to change the map colors, to change the map magnification, and to change the data zoom level at which large POI symbols display on the map.

To Change the Map Colors

Often when using a laptop computer while traveling, it is difficult to see the map display on your screen. This can be especially true at nighttime or on a bright sunny day. Changing your default (street) map colors to high-contrast map colors can make your map display easier to see.

Use the following steps to change the map display.

1. Click the **Map Display** tab and then click **Display** to display the Map Display options.
2. From the Map Colors drop-down list, select **High-Contrast Colors** to change your map display to be darker (for improved in-vehicle visibility). Select **Default Colors** to change it back to the standard display.

To Change the Map Magnification

Use the following steps to change the map magnification.

1. Click the **Map Display** tab and then click **Display** to display the Map Display options.
2. Select a magnification percentage (**50%**, **75%**, **100%**, **150%**, or **200%**) from the Magnification drop-down list.

Note: Although the size of the image changes, the degree of geographic detail does not.

To Change the Data Zoom Level for Large POI Symbols

Use the following steps to change the data zoom level at which large POI symbols are displayed on the map.

1. Click the **Map Display** tab and then click **Display** to display the Map Display options.
2. Select the desired data zoom level from the Large Symbols At drop-down list.

Notes:

- The appearance of the POI may change at different data zoom levels.
- If you have selected to display major and minor POIs in the Map Display Features list, the following actions may occur in Street Atlas USA:

If you select to view large symbols at data zoom level...	You will see the following information at data zoom level 13-0	You will see the following information at data zoom level 14-0	You will see the following information at data zoom level 15-0	You will see the following information at data zoom level 16-0
14	names and small square symbols	name of the POI and the large symbol	name of the POI and the large symbol	name of the POI and the large symbol
15	small squares only	name of the POI and a small square symbol	name of the POI and the large symbol	name of the POI and the large symbol
16	N/A	small square symbols only	name of the POI and a small square symbol	name of the POI and the large symbol

Setting Units of Measure Preferences

Street Atlas USA 2005 allows you to change the units of measure used to represent how coordinate formats, distance, and bearing listings display. Changing these preferences affects how units of measure display in several areas of the program: such as on the map and in the Control Panel.

As you change your Unit of Measure preferences, a description of each choice displays in the information box (to the left of the Overview Map) immediately after it is selected.

Coordinate Preferences

- **About Coordinate Preferences**

Changing the coordinate preferences affects the:

- Coordinates display on the Control Panel.
- Coordinate MapNotes.
- Grid label display, if Grids are selected in Map Features.
- Any other place where coordinates display or print.

- **To Set Coordinate Preferences**

Use the following steps to change how coordinate measurement units display.

1. Click the **Map Display** tab and then click **Units** to display the Units options.
2. Select the desired coordinate display format from the **Coords** drop-down list.
 - Degrees
 - Degrees, Minutes
 - Deg, Min, Sec

Distance Preferences

- **About Distance Preferences**

Distance preferences affect how distance and areas display throughout the program.

- **To Set Distance Preferences**

Use the following steps to change the measurement units for distance and area in Street Atlas USA 2005.

1. Click the **Map Display** tab and then click **Units** to display the Units options.
2. Under Measures, select the desired measurement from the Measures drop-down list.
 - Statute Miles (statute feet are used for small distances)
 - Kilometers (Meters are used for small distances)
 - Nautical Miles/Feet (statute feet are used for small distances)
 - Nautical Miles/Meters (meters are used for small distances)

Bearing Preferences

- **About Bearing**

Bearing listings are created as the result of creating route directions in the Route tab or from an Advanced (Distance From) search in the Find tab. Bearing refers to the compass direction of a given object measured clockwise in degrees (for example, 30°) or nearest compass point (for example, NNE) and indicated from True North or Magnetic North.

Notes:

- Magnetic declination is the difference in degrees between True North and Magnetic North at a specific location.
- The bearing setting does not affect map appearance.

- **To Set Bearing Preferences**

Use the following steps to change the bearing.

1. Click the **Map Display** tab and then click **Units** to display the Units options.
2. Under Measures, select the desired bearing from the Bearing drop-down list.
 - True North—The direction to the north pole.
 - Magnetic North—The direction that a compass needle points. This is the default setting for Street Atlas USA 2005.

Handheld Export

Handheld Export Overview

The Handheld Export tab in Street Atlas USA 2005 lets you cut a map which can be sent to a Palm OS® or Pocket PC device.

The Handheld Export tab also features the Exchange Wizard (accessible using the Sync button). With the Exchange Wizard, you can send map, route information, draw points, waypoint, tracks (GPS devices only), and GPS log (Pocket PC devices only) files to a Palm OS, Pocket PC, or GPS device. You can also receive routes, waypoints, GPS logs (Palm OS and Pocket PC devices only), and tracks (GPS devices only) from a Palm OS, Pocket PC, or GPS device to be used in Street Atlas USA 2005. The Handheld Export section provides information for using the Exchange Wizard with a Palm OS or Pocket PC device.


Exporting a Map to a Handheld Computer

With Street Atlas USA 2005, you can export maps to be used on a Palm OS or Pocket PC handheld device.

Important: You must have Street Atlas USA® Handheld or XMap® Handheld Pro (available separately from DeLorme) to view Street Atlas USA 2005 maps on your handheld device.

To Export a Map

Use the following steps to export a map to a Palm OS or Pocket PC device.

1. In Street Atlas USA 2005, click the **Handheld Export** tab. The Handheld Export dialog area displays.
2. Type the city name of the area you want to export. When a match is available, press the ENTER key on your keyboard.
OR
Select an area to export from the available scroll list.
3. Select the level of detail you want for the exported map:
 - **Street Detail**—Maps cut with Street Detail are routable on handheld devices and display at data zoom levels 8-0 and greater.
 - **Regional Detail**—Maps cut with Regional Detail are not routable on handheld devices and display at data zoom levels 4-0 and greater.
4. Click **Preview**. The default export area displays on the map with lightly shaded rectangles.
5. If you want to edit the export area, click . To add an area, click a rectangle that is not already highlighted. To remove an area, click the highlighted rectangle(s).
Note: Click Clear to clear the selected rectangles from the map.
6. Click **Select** to accept the shaded area as your export area.
7. Type the file name for your new map in the File text box.
8. Click **Save**.
9. Click **Sync**. The Sync with Device dialog box displays.
10. Select the device you want to send the map to from the Device Type drop-down list.
11. Select the user you want to send the map to from the User drop-down list.
12. If available on your map, select if you want to include the draw or route information in the exported map.
13. Click **Prepare for Sync**. The map will be available on your handheld computer after your next synchronization operation.



- To cut another map, repeat procedure listed above.
- Click **Clear** at any time to clear all of the selected rectangles from the map.
- To view a previously exported map, select it from the Saved Maps list and then click **View**.
- To delete a previously exported map, select it from the Saved Maps list and then click **Delete**.

NetLink

NetLink Overview



You must have an Internet connection to use the NetLink tab.

NetLink provides registered users with access to special offers, online support for their product, and items available for download. You can also use the NetLink tab to browse for additional products or data.

The NetLink tab consists of three subtabs:

- Home
- Software
- Support

Using the Home Page

The Home subtab provides special offers to registered Street Atlas USA 2005 users. Follow the instructions provided on the screen to access each special offer. You are prompted to connect to the Internet each time you open Street Atlas USA 2005 and click **NetLink**.

Using the Software Page

The Software subtab provides information about each of DeLorme's software products. Products are categorized by:

- Travel, Recreation, & Reference
- Professional & Business
- GPS & Mobile

When you select a product, a secondary browser window displays. Follow the instructions provided on the site to purchase the product.

Using the Support Page

The Support subtab allows you to search the DeLorme Support site by category or keyword(s). Once you click **Submit**, a secondary browser window displays the results of your category/keyword search.

Legal Information

Street Atlas USA 2005 Single-User License Agreement

This is an Agreement between you, the end user, and DeLorme. By using the Street Atlas USA 2005 software, data, and documentation (the “System”) you are agreeing to be bound by the terms of this Agreement.

If you do not agree with the terms of this Agreement, you may not use the System. Return all materials within thirty (30) days of receipt to the dealer from which you obtained them or to DeLorme for a full refund.

Any term or condition of an approved purchase order that differs from or adds to the terms or conditions of this License Agreement as well as any other modification or amendment to this Agreement will not be effective unless expressly agreed to by both parties as a written amendment to this Agreement.

LICENSE TERMS AND CONDITIONS

THE LICENSED SYSTEM

The System consists of DeLorme’s patented (U.S. Pat. Nos. 4,972,319; 5,030,117; 5,559,707; 5,802,492; 5,848,373; 5,948,040; and 6,321,158; other patents pending) process for the formatting, storage, retrieval, and presentation of geographic and geographically-related data; DeLorme’s copyrighted computer program for the use of those processes and related functions; and compilations of geographic and supplemental data that are proprietary to DeLorme or its licensors. The entire System, including the software, documentation (including introductory guide and help screens), data compilations, screen displays, and map printouts are protected by U.S. and foreign copyright.

You have no ownership rights in the System. Rather, you have a license to use the System as long as this Agreement remains in full force and effect.

YOUR USE OF THE SYSTEM

NOTE: See attached chart for a quick summary of use rights granted in connection with the various DeLorme software products.

Permitted Use. Provided that you are a registered user, this Agreement permits you to use the System on a non-exclusive basis for personal, reference, or business purposes on a single computer, all as further set forth later in this Agreement. You may install the System on an auxiliary computer in addition to your principal computer. However, one of these two computers must be portable and the software may not be used simultaneously on both computers.

Otherwise, once you have installed the System on one computer, you may use the System on a second computer other than a permitted auxiliary computer only if you first delete the System from the first computer or purchase a separate license. Installation of any part of the System on a network is prohibited. You may use the System as instructed by the documentation to perform its designed functions only for the purposes authorized by this Agreement.

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Special Presentation Rights. You may use paper copies of any Street Atlas USA map displays and printouts in presentations to live audiences only with prior written permission from DeLorme.

Copy Services. You may use a commercial copy service to reproduce paper copies that are authorized by this Agreement.

Web Site Map Display Rights. You may display on your personal, business, or institutional Web site static map images derived from the System, provided that you include the Legend indicated below and that you provide a link to the DeLorme Web site at www.delorme.com from any page that shows a DeLorme map image. If you subcontract a web developer to display map images, said Web developer must purchase a license.

NetLink Tab. All data downloaded or purchased through the NetLink Tab is subject to DeLorme's specific data use license agreement associated with those products. Commercial use of Netlink data is prohibited. TopoBird® data use is limited to recreational or personal use only. See DeLorme's Web site for TopoBird® derivative data use license agreement.

Legend. Any System output that is provided to a third party must include the following credit and copyright notice: "© 2004 DeLorme (www.delorme.com) Street Atlas USA®". You may not remove, alter, or conceal any copyright or trademark notices appearing on any System output, except that when creating a mural map, you need only retain a single legend with scale, for use in the field.

You understand and agree that the trademarks, trade names, service marks, copyrights, and other proprietary rights of DeLorme are and shall remain the sole and exclusive property of DeLorme, and that you will not hold yourself out as having any ownership rights thereto. You further agree that you will make no use of such rights except as provided in this Agreement.

PROHIBITIONS ON USE

No Commercial Use. You do not have the right to sell, or to reproduce or distribute for sale, any part of the System or output of the System alone or in combination with any other text, data, software, or graphic matter.

No Interactive Use. You do not have the right to combine the System interactively with the operation of other software unless licensed to do so by DeLorme.

No Modifications or Decompilation. Except through use of any software modification functions provided with the System, you have no right to modify the System in any way, incorporate any part or product of it into a compilation, or create any derivative work. You may not reverse engineer, decompile, disassemble, or otherwise access source code or the logical structure and contents of the System database.

No Third Party/Service Bureau Use. Except as specifically provided in this Agreement, you may not (a) permit any third party to use the System or transfer, disclose, or otherwise make available the System to any third party, (b) use the System in the operation of a service bureau or (c) allow access to the System through terminals located outside your premises. You agree to secure and protect the System in a manner consistent with the maintenance of DeLorme's rights therein and to take appropriate action by instruction or agreement with your employees who are permitted access to the System to satisfy your obligations hereunder.

No Copies. The copying of the System, any portion of the System, or any of the printed materials accompanying the System is strictly prohibited.

All rights not specifically granted by this Agreement are reserved by DeLorme.

WARNING, WARRANTIES, DISCLAIMER

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